

Forum: [Hack Forums](#)

Thread: [\[Official Group\] Royalty // Code Into Royalty](#)

exploit.c - December 9, 2016, 6:32 am

Hey all, want to join our awesome programming sector in Royalty run by me?

We're here with a lovely contest, only 3 people will gain entry. You can pick from one of the three following tasks, do note there are strict requirements on entries.

Requirements:

1. No scam reports (open/unresolved/valid)
 2. You must not be involved in any criminal or questionable activity
 3. Morals are required, immoral people need not apply
 4. You must produce a final result yourself, you can work in a team but each individual must produce an original entry
-

Challenge #1

Your task is to create a blogging platform with a WYSIWYG editor, ability to set public/private/password-protected posts, with XSS/CSRF protection, and bruteforce protection. You can write this in any programming language you feel comfortable with!

Challenge #2

Your task is to create a tool that will extract data from multiple websites (ie, pastebin, debpaste, etc) and have a searchable interface (either via CLI or Web), and produce all results to a file. Note: you may not use public APIs to gather this data, you must create your own crawler. Usage of 3rd party crawling modules will result in disqualification. You can write this in any programming language you feel comfortable with!

Upon complete, PM me what you have and I'll test and tell you if you've passed or not, if you pass, you get access to a password-protected subforum in Royalty and access to a ton of private goodies (along with being in Royalty)

Let's begin

PMing for help will result in disqualification

Mom - December 9, 2016, 6:35 am

I'm not going to try to join, but I wanted to wish everyone good luck :)

Papa Cuda - December 9, 2016, 6:37 am

Oh hey welcome back exploit.c. We thought you got dead.

ze-slade - December 9, 2016, 6:38 am

Be careful when opening the vs files, there's an exploit to hide rats and such in them that's being sold here.

Cibor - December 9, 2016, 6:39 am

This is an official recruitment thread.

Null Agent - December 9, 2016, 9:42 am

Might give this a try, good luck everyone.

[??? - December 9, 2016, 9:45 am

Challenge #2: what data should be extracted? Do we choose something or is that up to the user

exploit.c - December 9, 2016, 12:16 pm

(Dec 9, 2016 10:45 AM)[?*****?] Wrote: [\[CITE\]](#) Challenge #2: what data should be extracted? Do we choose something or is that up to the user

Be creative - what do you think the user would want to see?

ze-slade - December 9, 2016, 4:34 pm

Completed challenge #2, thanks for accepting me into royalty!

D3xus - December 9, 2016, 5:06 pm

I have two questions.

You say users can pick from three challenges, but only two are listed. Is this intentional? Or an oversight?

Given just those two challenges, they seem extremely complex and time consuming, but I don't see how either are meant to give insight into the coding ability of an individual. How are you judging applicants based off of their submissions? The complexity of the code? Understanding of object oriented/functional programming? What do you hope to learn about them through either of these tasks in specific?

exploit.c - December 9, 2016, 5:11 pm

(Dec 9, 2016 06:06 PM)D3xus Wrote: [\[CITE\]](#) I have two questions.

You say users can pick from three challenges, but only two are listed. Is this intentional? Or an oversight?

Given just those two challenges, they seem extremely complex and time consuming, but I don't see how either are meant to give insight into the coding ability of an individual. How are you judging applicants based off of their submissions? The complexity of the code? Understanding of object oriented/functional programming? What do you hope to learn about them through either of these tasks in specific?

1. Sorry, oversight on my part -- was posting from mobile, will correct post tomorrow.

2. They're not complex at all, I'm able to hammer them out in about 15 minutes, with Googling it'd take you 30-45 minutes at max, there's even youtube series about them - you just have to put in the time and effort. Baring in mind that I'll be checking to ensure you didn't just steal someone else's work/modify others. I'm judging on multiple factors, let me example them:

Factor 1: Can it scale? This meaning, is it only capable of one operation at a time? Or does it implement threading? Multiple subprocesses? etc.

Factor 2: Quality of code. This meaning, I don't want to see messy code, it's got to be neat, and reasonable

Factor 3: Desire to learn and grow -- this isn't really a judge factor, but we all have room to grow, it's not a complex task, it's not designed to be complex, it's designed to test a few different areas, first is that you have an understating of a modular system (ie: blog system has multiple different components such as posting, editing, saving, publishing, etc), understanding of what the code does, how it's supposed to function, etc.

daymon - December 9, 2016, 5:17 pm

(Dec 9, 2016 06:11 PM)exploit.c Wrote: [\[CITE\]](#) 2. They're not complex at all, I'm able to hammer them out in about 15 minutes, with Googling it'd take you 30-45 minutes at max, there's even youtube series about them - you just have to put in the time and effort. Baring in mind that I'll be checking to ensure you didn't just steal someone else's work/modify others. I'm judging on multiple factors, let me example them:

I'd have to disagree with that; the second one I could probably knock out in an hour or so, but the first one would definitely take some time. That is, if you wanted one with at least some form of quality. ?

exploit.c - December 9, 2016, 5:54 pm

(Dec 9, 2016 06:17 PM)Sin+ Wrote: [\[CITE\]](#) I'd have to disagree with that; the second one I could probably knock out in an hour or so, but the first one would definitely take some time. That is, if you wanted one with at least some form of quality. ?

Well, in fairness, it wouldn't be that hard, it all depends what lang you write it in.

Go? It'll take a fair amount of time (2-4 hrs)

Python? Reasonable amount of time (1-2 hrs)

Ruby/Ruby on Rails? Reasonable amount of time (1-2 hrs)

NodeJS? Reasonable amount of time (45min-2hrs depending on skill level)

PHP? Dead simple, (25-45 min)

The list goes on, it really all depends on your skill level

Vittorio - December 9, 2016, 6:20 pm

Ahh glad to see Cibor went with the idea.

semendaemon - December 10, 2016, 3:36 am

These challenges are piss easy (Though #1 would take a significant amount of time, unlike 2#) and nobody should complain about them. I like the new application process.

Infinity. - December 10, 2016, 4:17 am

(Dec 9, 2016 06:17 PM)Sin+ Wrote: [\[CITE\]](#) I'd have to disagree with that; the second one I could probably knock out in an hour or so, but the first one would definitely take some time. That is, if you wanted one with at least some form of quality. ?

No, 1st one would not take much time. Assuming you don't get bored with frontend part soon.

exploit.c - December 10, 2016, 6:30 am

We've had one successful completion, looking for a few more people. Do you have what it takes? Prove it.

Undefined - December 10, 2016, 6:33 am

Might give the 2nd one a quick attempt later.

Backopy - December 10, 2016, 6:36 am

(Dec 9, 2016 07:32 AM)exploit.c Wrote: [\[CITE\]](#) 1. No scam reports (open/unresolved/valid)
2. You must not be involved in any criminal or questionable activity
3. Morals are required, immoral people need not apply
damn im out

PartTimeNinja - December 10, 2016, 7:00 am

By a blogging platform, do you mean a platform for one person to blog in, or a platform where people can register, open their own blogs, and such?

And by a crawling module, do you mean an existing crawler for Pastebin, or an existing DOM crawler?

exploit.c - December 10, 2016, 10:01 am

(Dec 10, 2016 08:00 AM)PartTimeNinja Wrote: [\[CITE\]](#) By a blogging platform, do you mean a platform for one person to blog in, or a platform where people can register, open their own blogs, and such?

And by a crawling module, do you mean an existing crawler for Pastebin, or an existing DOM crawler?

1. Up to you

2. No using existing crawlers for websites like pastebin, you must write your own crawler from scratch.

PartTimeNinja - December 10, 2016, 1:42 pm

Definitely a fun challenge, got to try a few things while coding it :).

exploit.c - December 10, 2016, 3:35 pm

(Dec 10, 2016 02:42 PM)PartTimeNinja Wrote: [\[CITE\]](#) Definitely a fun challenge, got to try a few things while coding it :).

Congratulations on completing it, welcome to Royalty

exploit.c - December 11, 2016, 4:47 pm

Friendly bump to remind everyone we're still looking for 2 more people

Arixs - December 11, 2016, 9:33 pm

Get into the group while you can boys, great group to be a part of!

exploit.c - December 12, 2016, 5:35 am

Waiting for two more people to complete the challenge

Kyle1995 - December 12, 2016, 8:48 am

I'm a bit confused about the second project. Do I just search a bunch of random sites for a keyword and if that keyword is found am I supposed to, for example, extract that sentence where the keyword was found? Am I supposed to save the whole website to a file?

Egregious Jr. - December 12, 2016, 9:39 am

I'll give this a shot in vb.net. I'll update results here.

Dredd - December 12, 2016, 2:02 pm

Sounds like you just didn't want to pay for a programmer exploit.c so you're getting the work done for free :p

exploit.c - December 12, 2016, 6:09 pm

(Dec 12, 2016 03:02 PM)Dredd Wrote: [\[CITE\]](#) Sounds like you just didn't want to pay for a programmer exploit.c so you're getting the work done for free :p
Nah, it's a challenge to get in, these two challenges are trivial

ze-slade - December 13, 2016, 8:13 pm

Just going to give this a slight nudge, I know there are some REALLY good coders on HF, not too many but there are a few that could easily complete this within >30 minutes.

exploit.c - December 14, 2016, 6:12 am

Still waiting on two people to complete it, do you have what it takes?

Cibor - December 17, 2016, 7:36 am

(Dec 12, 2016 03:02 PM)Dredd Wrote: [\[CITE\]](#) Sounds like you just didn't want to pay for a programmer exploit.c so you're getting the work done for free :p
Damn he got us

Dredd - December 17, 2016, 8:39 am

(Dec 12, 2016 07:09 PM)exploit.c Wrote: [\[CITE\]](#) Nah, it's a challenge to get in, these two challenges are trivial
Both of these projects aren't complicated but are extremely time consuming.
It's more a test of how long can you be bothered to spend on the project rather than showing skill and ability.

exploit.c - December 17, 2016, 9:37 am

(Dec 17, 2016 09:39 AM)Dredd Wrote: [\[CITE\]](#) Both of these projects aren't complicated but are extremely time consuming.
It's more a test of how long can you be bothered to spend on the project rather than showing skill and ability.
They're not time consuming at all, in fairness it's not hard to make a web scraper, parse data, could do it in 20 minutes or less in various langs. Blog is super easy also

RumbleFrog - December 18, 2016, 7:12 pm

Might give a go on this, since I got nothing to do this break anyway

.Bux - December 19, 2016, 1:18 am

Could you add another another challenge for Low-level programming language?

exploit.c - December 20, 2016, 5:27 am

Still waiting for real programmers with skill to show themselves and prove themselves.
(Dec 19, 2016 02:18 AM).Bux Wrote: [\[CITE\]](#) Could you add another another challenge for Low-level programming language?
Sure

Visualize - December 20, 2016, 12:40 pm

Very cool recruitment style. Glad to see there are some legit groups focused on skill rather than just lounge whoring.

??e rando? d??c? g?y - December 21, 2016, 6:41 am

(Dec 17, 2016 10:37 AM)exploit.c Wrote: [\[CITE\]](#) They're not time consuming at all, in fairness it's not hard to make a web scraper, parse data, could do it in 20 minutes or less in various langs. Blog is super easy also
You keep saying that making a blog is super easy and can be finished in 30 minutes. Could you

please show that on a live stream. I really want to see you making a Full blog/CMS system in 30 minutes. Or atleast explain the definition of a blog to me. Pretty sure any blog/cms made in under 30 minutes is shit and won't work (Or has only 1 function lol)

LastSession - December 21, 2016, 6:43 am

(Dec 21, 2016 07:41 AM)??e rando? d??c? g?y Wrote: [\[CITE\]](#) You keep saying that making a blog is super easy and can be finished in 30 minutes. Could you please show that on a live stream. I really want to see you making a Full blog/CMS system in 30 minutes. Or atleast explain the definition of a blog to me. Pretty sure any blog/cms made in under 30 minutes is shit and won't work (Or has only 1 function lol)

I doubt that he can even code lmao

??e rando? d??c? g?y - December 21, 2016, 6:44 am

(Dec 21, 2016 07:43 AM)LastSession Wrote: [\[CITE\]](#) I doubt that he can even code lmao

I was about to enter this cause making a CMS or any type of blog "platform" is fun, But after reading the posts i bail out.

exploit.c - December 21, 2016, 7:40 am

(Dec 21, 2016 07:41 AM)??e rando? d??c? g?y Wrote: [\[CITE\]](#) You keep saying that making a blog is super easy and can be finished in 30 minutes. Could you please show that on a live stream. I really want to see you making a Full blog/CMS system in 30 minutes. Or atleast explain the definition of a blog to me. Pretty sure any blog/cms made in under 30 minutes is shit and won't work (Or has only 1 function lol)

Is this a challenge to do it? I'll happily do it and live stream it if you don't believe me.

wander is a multi dwc - December 21, 2016, 7:43 am

(Dec 21, 2016 08:40 AM)exploit.c Wrote: [\[CITE\]](#) Is this a challenge to do it? I'll happily do it and live stream it if you don't believe me.

Make a free one for me and I'll happily be your slave.

Donkey Death Jam - December 21, 2016, 8:49 am

(Dec 21, 2016 07:41 AM)??e rando? d??c? g?y Wrote: [\[CITE\]](#) You keep saying that making a blog is super easy and can be finished in 30 minutes. Could you please show that on a live stream. I really want to see you making a Full blog/CMS system in 30 minutes. Or atleast explain the definition of a blog to me. Pretty sure any blog/cms made in under 30 minutes is shit and won't work (Or has only 1 function lol)

He never stated that applicants had to make a full blog or CMS system. The challenge was to produce a simple wysiwyg editor with the ability to protect posts with passwords or set them as private. That doesn't take very long. The only other bits you need to do after that is just create a page to view articles. So yes, it can be made easily within an hour. But yes, it would be pretty shitty in terms of features.

DeluxeSoftware - December 21, 2016, 4:02 pm

(Dec 21, 2016 09:49 AM)Donkey Death Jam Wrote: [\[CITE\]](#) He never stated that applicants had to make a full blog or CMS system. The challenge was to produce a simple wysiwyg editor with the ability to protect posts with passwords or set them as private. That doesn't take very long. The only other bits you need to do after that is just create a page to view articles. So yes, it can be made easily within an hour. But yes, it would be pretty shitty in terms of features.

This can't do that within 1h imo. For me already planning the code and stuff counts into that. (Debugging, frontend... takes longer ?)

Donkey Death Jam - December 21, 2016, 4:08 pm

(Dec 21, 2016 05:02 PM)DeluxeSoftware Wrote: [\[CITE\]](#) This can't do that within 1h imo. For me

already planning the code and stuff counts into that. (Debugging, frontend... takes longer ?)
It's not really an official project or anything, so I wouldn't bother w/ planning and design. If it was a real project though, then yes it would take MUCH longer.

??e rando? d??c? g?y - December 21, 2016, 5:48 pm

(Dec 21, 2016 05:08 PM)Donkey Death Jam Wrote: [\[CITE\]](#) It's not really an official project or anything, so I wouldn't bother w/ planning and design. If it was a real project though, then yes it would take MUCH longer.

So you guys are rating people based of a 2 feature "blog" platform. The thing you want people to create doesnt proof anything if you really want it to be done in less then a hour. Are people allowed to use a framework?

exploit.c - December 21, 2016, 8:54 pm

(Dec 21, 2016 05:02 PM)DeluxeSoftware Wrote: [\[CITE\]](#) This can't do that within 1h imo. For me already planning the code and stuff counts into that. (Debugging, frontend... takes longer ?)

Well, you can easily with frontend, debugging. Load up bootstrap or foundation for front-end framework, setup simple nav, use a backend framework to ease the time like Laravel, configure the routes, create your modules, use artsian to your advantage, database structure is simple (see below in spoiler), and you're done in 30 min or less.

Database Structure [\(Click to View\)](#)

Code tbl_users (generated w/ Laravel's auth - no need to do the table & login system yourself, but for this purpose I'll lay it out):

```
`id` NOT NULL , AUTO INCREMENT
`username` VARCHAR
`password` VARCHAR
`can_post` BOOLEAN
`post_count` INTEGER
`created_at` TIMESTAMP
`modified_at` TIMESTAMP
```

Code tbl_posts

```
`id` NOT NULL , AUTO INCREMENT
`post_preview_title` VARCHAR (max: 25)
`post_title` VARCHAR (max: 80)
`post_body` TEXT
`post_created_by` VARCHAR
`post_last_modified` TIMESTAMP
`post_revision_history` TEXT
`post_created_at` TIMESTAMP
`post_has_password` BOOLEAN
`post_visible` BOOLEAN
`post_password` VARCHAR (max: 25)
```

Then, we get fancy, let's add comments with the amount of time we saved:

Code tbl_comments

```
`id` NOT NULL , AUTO INCREMENT
`post_id` REQUIRED, NOT NULL, INTEGER
`display_name` VARCHAR (max: 25)
`comment` TEXT
`ip_address` VARCHAR
`post_visible` BOOLEAN
`is_authenticated` BOOLEAN
```

`posted\_at` TIMESTAMP
`modified\_at` TIMESTAMP

Time it would take would be less than 30 minutes, then again, it's basic blog system, so I wouldn't expect it to take long

??e rando? d??c? g?y - December 22, 2016, 9:44 am

I have sent you my fast attempt waiting for your reply.

<https://www.ddosed.xyz/blog/> disabled bruteforce blocking because CF (and cant be asked to spend more time) :P

undefined. - December 22, 2016, 5:18 pm

Your task is to create a tool that will extract data from multiple websites (ie, pastebin, debpaste, etc) and have a searchable interface (either via CLI or Web), and produce all results to a file. Note: you may not use public APIs to gather this data, you must create your own crawler. Usage of 3rd party crawling modules will result in disqualification. You can write this in any programming language you feel comfortable with!

A bit confused here, does requests/urllib (python) count as 3rd party module?

Prawnster - December 22, 2016, 5:20 pm

(Dec 9, 2016 07:37 AM)cudacore Wrote: [\[CITE\]](#) Oh hey welcome back exploit.c. We thought you got dead.

Vouch ^

GL to everyone trying to enter

exploit.c - December 22, 2016, 8:23 pm

(Dec 22, 2016 10:44 AM)??e rando? d??c? g?y Wrote: [\[CITE\]](#) I have sent you my fast attempt waiting for your reply.

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Passed

(Dec 22, 2016 06:18 PM)undefined. Wrote: [\[CITE\]](#) Your task is to create a tool that will extract data from multiple websites (ie, pastebin, debpaste, etc) and have a searchable interface (either via CLI or Web), and produce all results to a file. Note: you may not use public APIs to gather this data, you must create your own crawler. Usage of 3rd party crawling modules will result in disqualification. You can write this in any programming language you feel comfortable with!

A bit confused here, does requests/urllib (python) count as 3rd party module?

If you really need me to answer that question then maybe you don't deserve to be in Royalty.

Answer [\(Click to View\)](#)

No