

Forum:[Hack Forums](#)

Thread: [Python Hashing Program by: Interface](#)

???v? - October 11, 2009, 12:32 am

My first program in python. Feel free to modify and fix it. Credits are in the code.

```
Code import hashlib
import datetime
```

```
#simple massege to demonstrate syntax
```

```
print('PyHashing, by: Interface')
print('Syntax = [TYPE] [STRING] [HEX: Y/N]')
print('TYPE = type of encryption needed. Supported: md5 , sha224 , sha256 , sha384 , sha512')
print('HEX = whether or not hexadecimal encryption is need or not; otherwise set to default')
print('STRING = the specified string to encrypt')
```

```
#difining variables
```

```
strgz = raw_input('Type: ')
strgt = raw_input('String: ')
strgh = raw_input('Hex?: ')
m = 'md5'
s0 = 'sha224'
s1 = 'sha256'
s2 = 'sha384'
s3 = 'sha512'
```

```
#user input
```

```
(strgz)
(strgt)
(strgh)
```

```
#processing of data
```

```
if ((strgz) == (s0) and (strgh) == ('n')):
    print(datetime.date.today())
    print(hashlib.sha224(strgt).digest())
if ((strgz) == (s1) and (strgh) == ('n')):
    print(datetime.date.today())
    print(hashlib.sha256(strgt).digest())
if ((strgz) == (s2) and (strgh) == ('n')):
    print(datetime.date.today())
    print(hashlib.sha384(strgt).digest())
if ((strgz) == (s3) and (strgh) == ('n')):
    print(datetime.date.today())
    print(hashlib.sha512(strgt).digest())
if ((strgz) == (m) and (strgh) == ('n')):
```

```

print(datetime.date.today())
print(hashlib.md5(strgt).digest())

if ((strgz) == (s0) and (strgh) == ('y')):
    print(datetime.date.today())
    print(hashlib.sha224(strgt).hexdigest())
if ((strgz) == (s1) and (strgh) == ('y')):
    print(datetime.date.today())
    print(hashlib.sha256(strgt).hexdigest())
if ((strgz) == (s2) and (strgh) == ('y')):
    print(datetime.date.today())
    print(hashlib.sha384(strgt).hexdigest())
if ((strgz) == (s3) and (strgh) == ('y')):
    print(datetime.date.today())
    print(hashlib.sha512(strgt).hexdigest())
if ((strgz) == (m) and (strgh) == ('y')):
    print(datetime.date.today())
    print(hashlib.md5(strgt).hexdigest())
if ((strgz) is not (m) and (s0) and (s1) and (s2) and (s3) and (strgh) == ('')):
    print('SYNTAX ERROR!')
UPDATE:

```

```

Code import hashlib
import datetime
import base64

```

```

#simple massege to demonstrate syntax

```

```

print('PyHashing, by: Interface')
print('Syntax = [TYPE] [STRING] [HEX: Y/N] [DEBASE: Y/N]')
print('TYPE = type of encryption needed. Supported: md5 , sha224 , sha256 , sha384 , sha512 ,
base16 , base32 , base64')
print('HEX = whether or not hexadecimal encryption is need or not; otherwise set to default')
print('STRING = the specified string to encrypt')
print('DEBASE = whether you need to decrypt a base16 , base32 , or base64 hash. *NOTE* The
HEX option is not supported with this command; type: n')

```

```

#difining variables

```

```

strgz = raw_input('Type: ')
strgt = raw_input('String: ')
strgh = raw_input('Hex?: ')
strgd = raw_input('DeBase?: ')
m = 'md5'
s0 = 'sha224'
s1 = 'sha256'
s2 = 'sha384'
s3 = 'sha512'
b0 = 'base16'
b1 = 'base32'
b2 = 'base64'

```

```

#user input

```

(strgz)
(strgt)
(strgh)
(strgd)

#processing of data

```
if ((strgz) == (s0) and (strgh) == ('n')):  
    print(datetime.date.today())  
    print(hashlib.sha224(strgt).digest())  
if ((strgz) == (s1) and (strgh) == ('n')):  
    print(datetime.date.today())  
    print(hashlib.sha256(strgt).digest())  
if ((strgz) == (s2) and (strgh) == ('n')):  
    print(datetime.date.today())  
    print(hashlib.sha384(strgt).digest())  
if ((strgz) == (s3) and (strgh) == ('n')):  
    print(datetime.date.today())  
    print(hashlib.sha512(strgt).digest())  
if ((strgz) == (m) and (strgh) == ('n')):  
    print(datetime.date.today())  
    print(hashlib.md5(strgt).digest())  
  
if ((strgz) == (s0) and (strgh) == ('y')):  
    print(datetime.date.today())  
    print(hashlib.sha224(strgt).hexdigest())  
if ((strgz) == (s1) and (strgh) == ('y')):  
    print(datetime.date.today())  
    print(hashlib.sha256(strgt).hexdigest())  
if ((strgz) == (s2) and (strgh) == ('y')):  
    print(datetime.date.today())  
    print(hashlib.sha384(strgt).hexdigest())  
if ((strgz) == (s3) and (strgh) == ('y')):  
    print(datetime.date.today())  
    print(hashlib.sha512(strgt).hexdigest())  
if ((strgz) == (m) and (strgh) == ('y')):  
    print(datetime.date.today())  
    print(hashlib.md5(strgt).hexdigest())  
  
if ((strgz) == (b0) and (strgh) == ('n') and (strgd) == ('y')):  
    print(datetime.date.today())  
    print(base16.decode(strgt))  
if ((strgz) == (b1) and (strgh) == ('n') and (strgd) == ('y')):  
    print(datetime.date.today())  
    print(base32.decode(strgt))  
if ((strgz) == (b2) and (strgh) == ('n') and (strgd) == ('y')):  
    print(datetime.date.today())  
    print(base64.decode(strgt))  
  
if ((strgz) == (b0) and (strgh) == ('n') and (strgd) == ('n')):
```

```

print(datetime.date.today())
print(base16.encode(strgt))
if ((strgz) == (b1) and (strgh) == ('n') and (strgd) == ('n')):
    print(datetime.date.today())
    print(base32.encode(strgt))
if ((strgz) == (b2) and (strgh) == ('n') and (strgd) == ('n')):
    print(datetime.date.today())
    print(base64.encode(strgt))

if ((strgz) is not (m) and (s0) and (s1) and (s2) and (s3) and (b0) and (b1) and (b2) or (strgh) == ('')
or (strgd) == ('')):
    print('SYNTAX ERROR!')Only problem is that I get a weird syntax error on line 85.

```

UPDATE

```

Code import hashlib
import datetime
import base64

```

#simple massege to demonstrate syntax

```

print('PyHashing, by: Interface')
print('Syntax = [TYPE] [STRING] [HEX: Y/N] [DEBASE: Y/N]')
print('TYPE = type of encryption needed. Supported: md5 , sha224 , sha256 , sha384 , sha512 ,
base16 , base32 , base64')
print('HEX = whether or not hexadecimal encryption is need or not; otherwise set to default')
print('STRING = the specified string to encrypt')

```

#difining variables

```

strgz = raw_input('Type: ')
strgt = raw_input('String: ')
strgh = raw_input('Hex?: ')
m = 'md5'
s0 = 'sha224'
s1 = 'sha256'
s2 = 'sha384'
s3 = 'sha512'
b0 = 'base16'
b1 = 'base32'
b2 = 'base64'
no = 'n'
yes = 'y'
#user input

```

```

(strgz)
(strgt)
(strgh)

```

#processing of data

```

if ((strgz) == (s0) and (strgh) == (no)):
    print(datetime.date.today())

```

```

    print(hashlib.sha224(strgt).digest())
if ((strgz) == (s1) and (strgh) == (no)):
    print(datetime.date.today())
    print(hashlib.sha256(strgt).digest())
if ((strgz) == (s2) and (strgh) == (no)):
    print(datetime.date.today())
    print(hashlib.sha384(strgt).digest())
if ((strgz) == (s3) and (strgh) == (no)):
    print(datetime.date.today())
    print(hashlib.sha512(strgt).digest())
if ((strgz) == (m) and (strgh) == (no)):
    print(datetime.date.today())
    print(hashlib.md5(strgt).digest())

if ((strgz) == (s0) and (strgh) == (yes)):
    print(datetime.date.today())
    print(hashlib.sha224(strgt).hexdigest())
if ((strgz) == (s1) and (strgh) == (yes)):
    print(datetime.date.today())
    print(hashlib.sha256(strgt).hexdigest())
if ((strgz) == (s2) and (strgh) == (yes)):
    print(datetime.date.today())
    print(hashlib.sha384(strgt).hexdigest())
if ((strgz) == (s3) and (strgh) == (yes)):
    print(datetime.date.today())
    print(hashlib.sha512(strgt).hexdigest())
if ((strgz) == (m) and (strgh) == (yes)):
    print(datetime.date.today())
    print(hashlib.md5(strgt).hexdigest())

if ((strgz) == (b0) and (strgh) == (no)):
    print(datetime.date.today())
    print(base64.b16encode(strgt))
if ((strgz) == (b1) and (strgh) == (no)):
    print(datetime.date.today())
    print(base64.b32encode(strgt))
if ((strgz) == (b2) and (strgh) == (no)):
    print(datetime.date.today())
    print(base64.b64encode(strgt))

if ((strgz) is not (m) and (s0) and (s1) and (s2) and (s3) and (b0) and (b1) and (b2) and (strgh) ==
(")):
    print('SYNTAX ERROR!')

```

???v? - October 11, 2009, 9:12 am

No one likes my program? Well fuck it then, last program I share with HF.

thedankestmeme - October 11, 2009, 11:43 am

Obviously not.

???v? - October 11, 2009, 12:25 pm

(Oct 11, 2009 11:43 AM)iintens Wrote: [\[CITE\]](#) Obviously not. Asswipe.

???v? - October 11, 2009, 2:00 pm

UPDATE:

```
Quote:import hashlib
import datetime
import base64
import os
import time
```

```
#simple massege to demonstrate syntax
```

```
print('PyHashing, by: Interface')
time.sleep(2)
print('Syntax = [TYPE] [STRING] [HEX: Y/N] [DEBASE: Y/N]')
print("")
print(' TYPE = type of encryption needed. Supported: md5 , sha224 , sha256 , sha384 , sha512 ,
base16 , base32 , base64')
print("")
print(' HEX = whether or not hexadecimal encryption is need or not; otherwise set to default')
print("")
print(' STRING = the specified string to encrypt')
```

```
#difining variables
```

```
strgz = raw_input(' Type: ')
strgt = raw_input('String: ')
strgh = raw_input(' Hex?: ')
m = 'md5'
s0 = 'sha224'
s1 = 'sha256'
s2 = 'sha384'
s3 = 'sha512'
b0 = 'base16'
b1 = 'base32'
b2 = 'base64'
no = 'n'
yes = 'y'
```

```
#user input
```

```
(strgz)
(strgt)
(strgh)
```

```
#processing of data
```

```
if ((strgz) == (s0) and (strgh) == (no)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
```

```

print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
print('-----')
print(hashlib.sha224(strgt).digest())
time.sleep(5)
raw_input('. . .Press Enter')
os.system('clear')
if ((strgz) == (s1) and (strgh) == (no)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')
    print(hashlib.sha256(strgt).digest())
    time.sleep(5)
    raw_input('. . .Press Enter')
    os.system('clear')
if ((strgz) == (s2) and (strgh) == (no)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')
    print(hashlib.sha384(strgt).digest())
    time.sleep(5)
    raw_input('. . .Press Enter')
    os.system('clear')
if ((strgz) == (s3) and (strgh) == (no)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')
    print(hashlib.sha512(strgt).digest())
    time.sleep(5)
    raw_input('. . .Press Enter')
    os.system('clear')
if ((strgz) == (m) and (strgh) == (no)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')
    print(hashlib.md5(strgt).digest())
    time.sleep(5)
    raw_input('. . .Press Enter')
    os.system('clear')

if ((strgz) == (s0) and (strgh) == (yes)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')

```

```

print(hashlib.sha224(strgt).hexdigest())
time.sleep(5)
raw_input('. . .Press Enter')
os.system('clear')
if ((strgz) == (s1) and (strgh) == (yes)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')
    print(hashlib.sha256(strgt).hexdigest())
    time.sleep(5)
    raw_input('. . .Press Enter')
    os.system('clear')
if ((strgz) == (s2) and (strgh) == (yes)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')
    print(hashlib.sha384(strgt).hexdigest())
    time.sleep(5)
    raw_input('. . .Press Enter')
    os.system('clear')
if ((strgz) == (s3) and (strgh) == (yes)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')
    print(hashlib.sha512(strgt).hexdigest())
    time.sleep(5)
    raw_input('. . .Press Enter')
    os.system('clear')

if ((strgz) == (m) and (strgh) == (yes)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')
    print(hashlib.md5(strgt).hexdigest())
    time.sleep(5)
    raw_input('. . .Press Enter')
    os.system('clear')

if ((strgz) == (b0) and (strgh) == (no)):
    os.system('clear')
    print(datetime.date.today())
    from time import gmtime, strftime
    print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
    print('-----')
    print(base64.b16encode(strgt))

```

```

time.sleep(5)
raw_input('. . .Press Enter')
os.system('clear')
if ((strgz) == (b1) and (strgh) == (no)):
os.system('clear')
print(datetime.date.today())
from time import gmtime, strftime
print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
print('-----')
print(base64.b32encode(strgt))
time.sleep(5)
raw_input('. . .Press Enter')
os.system('clear')
if ((strgz) == (b2) and (strgh) == (no)):
os.system('clear')
print(datetime.date.today())
from time import gmtime, strftime
print(strftime("%a, %d %b %Y %H:%M:%S +0000", gmtime()))
print('-----')
print(base64.b64encode(strgt))
time.sleep(5)
raw_input('. . .Press Enter')
os.system('clear')

```

```

if ((strgz) is not (m) and (s0) and (s1) and (s2) and (s3) and (b0) and (b1) and (b2) and (strgh) ==
(")):
    os.system('clear')
    print('SYNTAX ERROR!')

```

scaryblackguy - October 11, 2009, 2:06 pm
l2whitespace .

z3r0c00l - October 12, 2009, 11:26 am
is this Perl or PHP?

ManDy5 - October 12, 2009, 11:28 am
(Oct 12, 2009 11:26 AM)z3r0c00l Wrote: [\[CITE\]](#) is this Perl or PHP?
Is this a joke? It's Python...

???v? - October 12, 2009, 5:20 pm
(Oct 12, 2009 11:28 AM)ManDy5 Wrote: [\[CITE\]](#) (Oct 12, 2009 11:26 AM)z3r0c00l Wrote: [\[CITE\]](#) is this
Perl or PHP?
Is this a joke? It's Python...LOL, OMG! lol

Psycho - October 13, 2009, 9:38 am
Is this a bad attempt at obfuscation?

Mackem Jitler - October 13, 2009, 9:47 am
Is this just using MD5 and a few of the SHA's ?

???v? - October 13, 2009, 4:44 pm

(Oct 13, 2009 09:47 AM)Mackem Jitler Wrote: [\[CITE\]](#) Is this just using MD5 and a few of the SHA's ? No, there is base16, base32, and base64. I would like to implement others, but I am too lazy right now.

scaryblackguy - October 14, 2009, 1:56 pm

(Oct 13, 2009 09:38 AM)Psycho Wrote: [\[CITE\]](#) Is this a bad attempt at obfuscation? NO, IT'S A GOOD ATTEMPT!

Conspiracy - October 14, 2009, 1:57 pm

Most people wont even know how to use a python script, show them how maybe.

Soul Collector - October 14, 2009, 2:02 pm

Its okay man ..dont be rude. They are just to lazy to comment lol

???v? - October 15, 2009, 1:19 pm

How to use a Python Script:

First you have to Download the python interpreter and libraries needed to run the script:

Windows

<http://www.python.org/ftp/python/2.6.3/python-2.6.3.msi>

Linux

<http://www.python.org/ftp/python/3.1.1/Python-3.1.1.tgz>

(Most all linux distros have Python)

In Linux type:

Code python FILE.py

In Windows, simply click the file you want to use.

???v? - October 26, 2009, 2:19 pm

Maybe this is my last attempt to bump.

???v? - December 8, 2009, 11:39 am

Bumping.....why not?

nooben - January 1, 2010, 6:44 pm

(Dec 8, 2009 12:39 PM)::(!-----!):. Wrote: [\[CITE\]](#) Bumping.....why not?

are you so desperate too make someone like something you did? Never managed to get your father proud eh?

Mackem Jitler - January 2, 2010, 6:08 am

Make sure that everytime it says "if" the next line underneath should be indented so it should say:

```
Code if ((strgz) == (b1) and (strgh) == (no)):
    os.system('clear')
instead of
```

```
[code]if ((strgz) == (b1) an
```

Auxilium - January 16, 2010, 4:59 am

(Jan 16, 2010 03:12 AM)world-hacker Wrote: [\[CITE\]](#) no wonder you have errors dude you suck mate

hahahahaha all this is joke hahahahahaha learn first how to code idiot
Fucktard, at least he is trying to contribute something to this community, you
instead are just leeching off and insulting members which are humans thus
can make mistake's. If it was my doing you would be already gained a perma ban. Fuck you.

???v? - January 19, 2010, 3:07 pm

(Jan 16, 2010 05:59 AM)Auxilium Wrote: [\[CITE\]](#) Fucktard, at least he is trying to contribute
something to this community, you
instead are just leeching off and insulting members which are humans thus
can make mistake's. If it was my doing you would be already gained a perma ban. Fuck you. Thanks
man. What the hell has HF become? I thought it was cute to flame and bash members but then I
realised it was retarded and immature!

optiikzz - January 22, 2010, 7:30 am

Nice Code thanks for Post

HLife - January 24, 2010, 6:16 am

I don't have the time to look at the code right now but I bet you can use 'for' cycles instead of all
those 'if's.

Nice, btw.

Elodevch - January 3, 2018, 8:54 pm

pyhashron in github maybe for reference

Sannes - January 7, 2018, 11:53 am

Some hint how you could make your code more efficient:

```
Code >>> import hashlib
>>> to_hash = 'Meow'
>>> hash_type = 'MD5'
>>> if hash_type.lower() in hashlib.algorithms:
    print(getattr(hashlib, hash_type.lower())(to_hash).hexdigest())
```

049fc6be2ec536b6faebd4128f73c9f1

Vanagander - January 7, 2018, 1:41 pm

Please stop gravedigging threads