

# Forum:[Hack Forums](#)

Thread: [Paint as first programming language?](#)

**SIM-1033745** - March 26, 2012, 4:14 am

[Video: <http://www.youtube.com/watch?v=IYLM8uclr0I>]

Yeah...

**Moplok** - March 26, 2012, 4:15 am

I can't even code, this makes me feel like I have failed my internet life.

**Agent Raigar** - March 26, 2012, 4:26 am

Is this fake or? Wtf can't believe it :D

**SIM-1033745** - March 26, 2012, 5:29 am

(Mar 26, 2012 04:26 AM)?RAiGAR Wrote: [\[CITE\]](#) Is this fake or? Wtf can't believe it :D

I'm guessing it's real, since there's weird characters at the start, but it's waaaay too tedious to do for a living xD

**Disease** - March 26, 2012, 6:00 am

(Mar 26, 2012 04:26 AM)?RAiGAR Wrote: [\[CITE\]](#) Is this fake or? Wtf can't believe it :D

No it's not fake. Nor is it complicated once you understand how bitmaps are formatted. [This is a pretty good blog post explaining how it works.](#)

**Eight** - March 26, 2012, 7:15 am

WHAT KIND OF THIRD WORLD SORCERY IS THIS ?

**Libyano** - March 26, 2012, 7:35 am

It is real, because everything is understood by computers in a binary form, so Paint might using stupid characters like this?

Or....Spoiler ([Click to View](#))Did I just get trolled in a way I didn't understand? ?

But it's possible.

**tinkerman2000** - March 26, 2012, 11:12 pm

(Mar 26, 2012 07:35 AM)Libyano Wrote: [\[CITE\]](#) It is real, because everything is understood by computers in a binary form, so Paint might using stupid characters like this?

Or....Spoiler ([Click to View](#))Did I just get trolled in a way I didn't understand? ?

But it's possible.

No this isn't real. You guys got trolled. Not saying this isn't possible. I goggled to try and see about this language and found nothing.

Your comment isn't true. Just because something is binary dosen't mean every machine understands that binary code that is why binary for a Intel based system can't be runned in a Arm based computer system.

I knew this was fake at the start but had to google to make sure before posting. Since I know in theory this is possible. Yet, never heard paint can do this and so far never seen any documentation

online.

**samusXaran** - March 26, 2012, 11:31 pm

yea this is crazyness. you just got punked.

**bottomy** - March 26, 2012, 11:38 pm

(Mar 26, 2012 11:12 PM)tinkerman2000 Wrote: [\[CITE\]](#) No this isn't real. You guys got trolled. Not saying this isn't possible. I goggled to try and see about this language and found nothing.

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I think their point was that you could make a language out of any data. It's all up to how you interpret that data.

Now while this may actually be fake (I have no idea), it is absolutely possible to do. I made a language that made use of bitmap images ages ago, just for a bit of fun.

**SIM-1033745** - March 26, 2012, 11:59 pm

(Mar 26, 2012 11:12 PM)tinkerman2000 Wrote: [\[CITE\]](#) No this isn't real. You guys got trolled. Not saying this isn't possible. I goggled to try and see about this language and found nothing.

It's funny because you're an idiot. Paint isn't a real language, this guy just found how to output hello world code in C++ using paint.

**Vikta\_** - March 27, 2012, 12:06 am

Pretty cool, I think I'm going to look into this later :P

**tinkerman2000** - March 27, 2012, 12:14 am

(Mar 26, 2012 11:38 PM)bottomy Wrote: [\[CITE\]](#) I think their point was that you could make a language out of any data. It's all up to how you interpret that data.

Now while this may actually be fake (I have no idea), it is absolutely possible to do. I made a language that made use of bitmap images ages ago, just for a bit of fun.

yes, that was my point. I just wanted to correct anyone that thinks if you have something in binary it automatically means all programs or even the computer machine itself will understand it. Since I played around building my own circuits and even my own 4-bit cpu and 32bit cpu. I can say that I understand the basic concepts of a computer system. I got many books on the subject and topic.

So yes, you make your own language or even a structure of data of a file.

like for example. I seen many video games use the .dat to indicate it's a data file. however just because all games that I seen uses a .dat dosen't mean that those .dat files structures are the exact same structure for all games. people quickly would think if it's a .dat file for like these 6 games then these 6 games can use these files interchangeability.

So for those 6 games using .dat files it all boils down to interperatation. They can be all 6 different types or structured .dat files but if all the games can understand each type or kind of structure of

their own .dat file then yes each of those 6 games can run each others files... yet if it only knows about their own structure then no they can't run each others files.

I am just trying to not let people get mislead to think that if the file is a .bin file you can run this file on any system or even put it on a smart card chip. In theory you can but the data may not be understood by the system and therefor won't work or run properly.

So, yes like I said in my previous post that this isn't impossible. I am sure anyone here can make something similar if they wanted too. It's possible but from what I see and hear. I never seen anything on the net that indicates or provides facts towards that would support his videos information is legit.

bottomy: you understood my posting. I hope I didn't misled or confused anyone. Yet, that is why I said this is fake and most likely a person trolling everyone. Yet, not doubting that it's not possible. since I know it can be achieved.

(Mar 26, 2012 11:59 PM)Quentin Wrote: [\[CITE\]](#) It's funny because you're an idiot. Paint isn't a real language, this guy just found how to output hello world code in C++ using paint.

I am not an idiot. Your Title says Paint as first programming language. I watched the video.

There are other videos on the net showing using paint you can easily write python code by using colors. Those were proven to be fake.

So I ask you this question how exactly is he taking colors in paint and converting them to c++. Ya, I know it's in C++ but what is that stuff at the start?

If you called me an idiot. You should have something to back it up with. So I assume you can do this and you understand how it works 100%.

from what I see he might be using white space programming language. Also you can't directly just paint a bitmap and then save it and it automatically is converted into C++ source code. Something in between has to translate the paint bitmap to convert that bitmap data into a c++ source code file.

whitespace programming language look it up:

[http://en.wikipedia.org/wiki/Whitespace\\_programming\\_language](http://en.wikipedia.org/wiki/Whitespace_programming_language)

I shared my opinion and thoughts about the subject. I would say it be stupid of you to call someone that you don't even know an idiot. Your title of the thread says paint beginners programming language.

From your comment yous saying that the guy just drew a bitmap and it automatically magically turned that bitmap into a c++ source file creating the application of hello world to be printed to screen.

I ask you how is it done and notice how this video dosen't at all show the button task bar. So if this was legit he would have a full screen shot. Why not show the bottom of the screen.

if he is using whitespace programming language then what your saying isn't true. That means he would create the bitmap in a way that whitespace programming would understand... then convert the bitmap into c++ source. This is the only thing I can think of.

not saying I am write. I am just saying that so far OP and that blog isn't exactly explaining how this guy did this. Plus dosen't show the whole screen. Doesn't show the bottom part of the screen to show him opening the file.

I am just saying he might be using a spin off from whitespace programming language. However, I can't confirm that.

Just saying videos like these that show you something and then after can't full explain it in terms that makes it sense able.

**bottomy** - March 27, 2012, 1:30 am

(Mar 27, 2012 12:14 AM)tinkerman2000 Wrote: [\[CITE\]](#) Also you can't directly just paint a bitmap and then save it and it automatically is converted into C++ source code. Something in between has to translate the paint bitmap to convert that bitmap data into a c++ source code file.

Actually as long as you can save the image as pure (so not a specific format, since that will usually contain other data) uncompressed bitmap data from whatever image editor you're using. Then you could pick the colours whose bytes corresponds to ascii characters.

**hgdfhsdgdgdfgh** - March 27, 2012, 4:23 am

"The pixel array is a block of 32-bit DWORDs, that describes the image pixel by pixel. Normally pixels are stored "upside-down" with respect to normal image raster scan order, starting in the lower left corner, going from left to right, and then row by row from the bottom to the top of the image.[1]

Uncompressed Windows bitmaps also can be stored from the top to bottom, when the Image Height value is negative."

@ [http://en.wikipedia.org/wiki/BMP\\_file\\_format#Pixel\\_storage](http://en.wikipedia.org/wiki/BMP_file_format#Pixel_storage)

So he just selects color values found within ASCII character visible range and Notepad shows that as visible ASCII text. Nothing magical.

And its possible too..

IT'S NOT A FAKE

DID IT BY MYSELF:

HELLO, WORLD! string multiple times in 24-bit BMP created in MS paint.

Code 72 69 76 76 79 32 87 79 82 76 68 33Are decimal values for ASCII HELLO, WORLD!

Created 32 x 1 pixel BMP.

Use custom color feature and for first pixel set

R 76

G 69

B 72

and so on for other pixels.

Note that color values in pixel are reversed!

Bitmap file: <http://www.mediafire.com/i/?0ls0bflpr7azqca>

Viewed:

[img]<http://img836.imageshack.us/img836/9572/tmp99f5.png>[/img]

**tinkerman2000** - March 27, 2012, 6:31 am

(Mar 27, 2012 01:30 AM)bottomy Wrote: [\[CITE\]](#) Actually as long as you can save the image as pure (so not a specific format, since that will usually contain other data) uncompressed bitmap data from whatever image editor you're using. Then you could pick the colours whose bytes corresponds to

ascii characters.

Ya, but how would that make it paint = C++ ??? are the code runnable. Like can C++ compile them??? The title of this thread is paint = programming language.

when I got in I just saw the video showing paint colors = C++. that is all I saw. Right now this isn't the only website that is talking about it. Many other websites for programming are talking about it and many programmers are talking about it. Most even themselves said this is fake.

The video is basically saying that with paint you can code in C++ by just using paint.

So far never seen the code actually get compiled by C++.

hgdfhsdgdgdfh - March 27, 2012, 6:40 am

(Mar 27, 2012 06:31 AM)tinkerman2000 Wrote: [\[CITE\]](#) Ya, but how would that make it paint = C++ ??? are the code runnable. Like can C++ compile them??? The title of this thread is paint = programming language.

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So far never seen the code actually get compiled by C++.

Yeah it doesnt directly compile but if you remove the BMP headers then it should.

But you said that the video is fake? You can even test the BMP I posted in my last post to test it works.

In that video he just opens the BMP in notepad and sees C++ code. Nothing else, I dont see why its fake?

tinkerman2000 - March 27, 2012, 6:42 am

(Mar 27, 2012 04:23 AM)0xDEADDEAD Wrote: [\[CITE\]](#) "The pixel array is a block of 32-bit DWORDs, that describes the image pixel by pixel. Normally pixels are stored "upside-down" with respect to normal image raster scan order, starting in the lower left corner, going from left to right, and then row by row from the bottom to the top of the image.[1]

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Created 32 x 1 pixel BMP.  
Use custom color feature and for first pixel set  
R 76  
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B 72  
and so on for other pixels.  
Note that color values in pixel are reversed!

Bitmap file: <http://www.mediafire.com/i/?0ls0bflpr7azqca>

Viewed:

[img]http://img836.imageshack.us/img836/9572/tmp99f5.png[/img]

I never said it's not due able. Can you show us it being compiled by C++ or c???

The video is basically saying paint = C++ or C. What your saying is paint = ASCII characters.

My question would be how do you get paint to make a c++ source code file and then compile it?

**hgdfhsdgdgdfh** - March 27, 2012, 6:43 am

Paint always includes that header but you can convert this BMP to a compilable C++ source file just by removing the header (BM- ---> last NUL byte)

Video isnt fake, he doesnt even try to compile the file on that video.

**tinkerman2000** - March 27, 2012, 6:49 am

(Mar 27, 2012 06:40 AM)0xDEADDEAD Wrote: [\[CITE\]](#) Yeah it doesnt directly compile but if you remove the BMP headers then it should.

But you said that the video is fake? You can even test the BMP I posted in my last post to test it works.

In that video he just opens the BMP in notepad and sees C++ code. Nothing else, I dont see why its fake?

The C++ part... that is what I was saying. That paint equals C++. I understand what your saying. You can basically convert the paint to ASCII characters which can make up a text file or a C++ file etc.

The video and this thread is basically hinting that paint equals a programming language. Like paint can be used as a programming language. The thread title is kinda misleading. The video itself says that it's C++. What I am saying is would this compile into a C++ compiler??

I shared my opinion that it's fake. I never said it wasn't possible to due. I just thought the video itself was fake. The way he displayed it not showing the bottom part of the screen. The he says it's c++. yet didn't show it being compiled. That is why I thought it was fake. I am not the only one a few here thought it was fake. Google around and you can find many programmers calling it fake.

So I just shared my opinion and then get attacked for sharing my opinion.  
I would like to see it get compiled in a C++ compiler to satisfy any doubt.

Like I said before I never doubted that you can't do such a thing. Buggy understood what I was saying before. I never did say that it's fake because this can't happen. I assumed it was fake due to how the video was created. Seem like he was hiding different areas of the screen.

**hgdfhsdgdgdfh** - March 27, 2012, 6:52 am

I understand what you mean and maybe this thread title is misleading BUT on that video he nowhere executes or compiles that bmp with C++ compiler. So I wouldn't call the video fake.

You are right its not possible to directly put that bmp to C++ compiler because of the header. But on that video he doesn't do anything like that? Just opens the BMP in notepad, thats all.

**tinkerman2000** - March 27, 2012, 6:52 am

(Mar 27, 2012 06:43 AM)0xDEADDEAD Wrote: [\[CITE\]](#) Paint always includes that header but you can convert this BMP to a compilable C++ source file just by removing the header (BM- ---> last NUL byte)

Video isn't fake, he doesn't even try to compile the file on that video.

Then why am I thinking that the video and this thread is about paint being C++???

From what I understand this thread is about paint= c++ and if it is true then the code should be compiler with a C++ compiler.

I am just trying to get you to understand where my posts were coming from. Maybe I misunderstood the video or this thread. I can only say that this thread was misleading. It shouldn't have said paint as first programming language. When I first saw it I thought it meant paint being a programming language a full blown language. The watched the video.

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You are right its not possible to directly put that bmp to C++ compiler because of the header. But on that video he doesn't do anything like that? Just opens the BMP in notepad, thats all.

yes, I understand and it was my mistake to say it. What I thought he was claiming that with paint you can write a full blown C++ program by using paint. that is why I wanted to see the code to be compiled in a C++ compiler. the mistake was due to the thread title and from others talking. I understood that the guy is claiming that you can write C++ programs via paint. So that is why I said that and yes, your right. My bad..

**hgdfhsdgdgdfh** - March 27, 2012, 7:58 am

Just a small advertisement: implemented this as C# class. Convert any data to bmp. Open BMP and see same bytes there :D

Also allows to convert back to same data. <https://hackforums.net/showthread.php?tid=2343137>

Just in case somebody is interested :P

**Pumpkins** - March 27, 2012, 3:51 pm

I coded a rat like this before.

Its super easy

Spoiler ([Click to View](#))

[img]<http://i0.kym-cdn.com/photos/images/original/000/096/044/trollface.jpg?1296494117>[/img]

**Deer With No Eye** - May 22, 2012, 8:38 am

Oh wow that is so cool! But yeah, wonder if it's fake. Good video though.

**CheesyBread** - May 22, 2012, 2:38 pm

First off you can't simply make a bitmap file be a program because bitmap files have some extra

data at the beginning and end and other formatting info here and there, but if you removed all but the data for the colors then yes it would become a binary array of numbers aka a program.

There is also a programming language which has a compiler that reads bitmap color pixels and makes a program out of it, but still a different concept to what's offered here.

[http://en.wikipedia.org/wiki/Piet\\_\(programming\\_language\)](http://en.wikipedia.org/wiki/Piet_(programming_language)) <-- The Piet programming language

"Hello World" written in the Piet programming language...

Spoiler ([Click to View](#))

[img][http://upload.wikimedia.org/wikipedia/commons/c/c2/Piet\\_Program\\_Hello\\_World%281%29.gif](http://upload.wikimedia.org/wikipedia/commons/c/c2/Piet_Program_Hello_World%281%29.gif)[img]