

How to add “graphics.h” C/C++ library to gcc compiler in Linux

Difficulty Level : Basic • Last Updated : 05 Aug, 2021

While trying c graphic programming on Ubuntu, I figured out that graphic.h is not a standard C library and it is not supported by gcc compiler. So I am writing this article to explain the process. If you want to use graphics.h on Ubuntu platform you need to compile and install libgraph. It is the implementation of turbo c graphics API on Linux using SDL.

You can download it from here [libgraph](#)

Step by Step Instructions:

- **STEP 1:** First install build-essential by typing

```
sudo apt-get install build-essential
```

- **STEP 2:** Install some additional packages by typing

```
sudo apt-get install libsdl-image1.2 libsdl-image1.2-dev guile-2.0 \
guile-2.0-dev libsdl1.2debian libart-2.0-dev libaudiofile-dev \
libesd0-dev libdirectfb-dev libdirectfb-extra libfreetype6-dev \
libxext-dev x11proto-xext-dev libfreetype6 libaa1 libaa1-dev \
libslang2-dev libasound2 libasound2-dev
```

- **STEP 3:** Now extract the downloaded libgraph-1.0.2.tar.gz file.
- **STEP 4:** Goto extracted folder and run following command

```
./configure
make
sudo make install
sudo cp /usr/local/lib/libgraph.* /usr/lib
```

- Now you can use graphics.h lib using following lines:

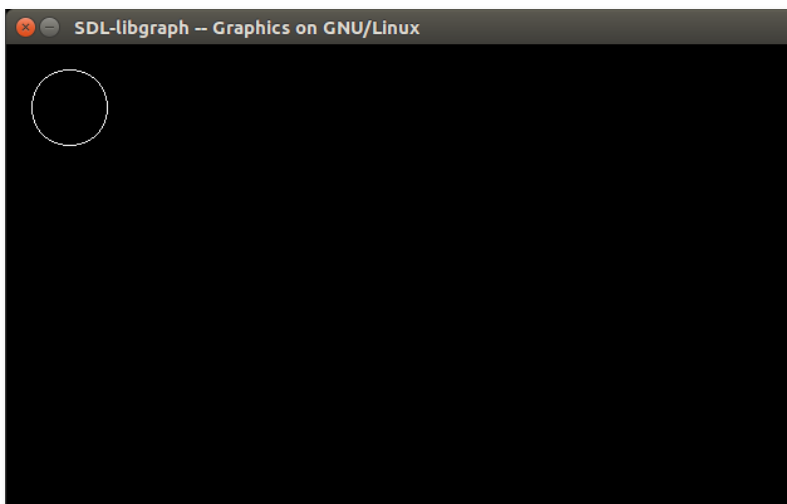
```
int gd = DETECT, gm;  
initgraph (& gd, & gm, NULL);
```

Example code:

C

```
// C code to illustrate using  
// graphics in linux environment  
#include<stdio.h>  
#include<stdlib.h>  
#include<graphics.h>  
int main()  
{  
    int gd = DETECT, gm;  
    initgraph(&gd, &gm, NULL);  
  
    circle(50, 50, 30);  
  
    delay(500000);  
    closegraph();  
    return 0;  
}
```

Output:



Reference: [ask ubuntu](#)

This article is contributed by **Aakash Tiwari**. If you like GeeksforGeeks and would like to contribute, you can also write an article using [write.geeksforgeeks.org](#) or mail your article to review-team@geeksforgeeks.org. See your article appearing on the GeeksforGeeks main page and help other Geeks.

Important Notes (Added by a user) : Files from the above-given link did not work for me. There are somethings wrong with them I downloaded files from <https://github.com/SagarGaniga/Graphics-Library>

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