Analysis of the output generated by files using gcc and g++ compilers in Ubuntu

gcc and g++ compilers are used to compile the program of c and c++ languages respectively. These compilers provide sufficient libraries to write, debug and execute the programs of c and c++ languages. Following is the step by step guide to create and write programs in gcc and g++ in Ubuntu:

1. Checking whether gcc and g++ installed or not:

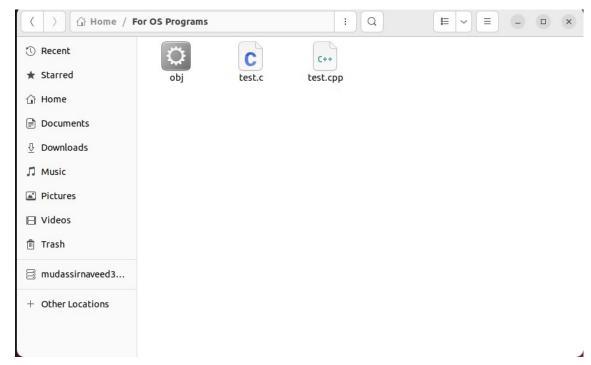
```
mudassirmalik@ubuntu:~$ gcc --version
gcc (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0
Copyright (C) 2021 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

mudassirmalik@ubuntu:~$ g++ --version
g++ (Ubuntu 11.4.0-1ubuntu1~22.04) 11.4.0
Copyright (C) 2021 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
```

2. On terminal of Ubuntu write this command to create files:

```
touch test.c
touch test.cpp
```

3. In the selected folder double click on the file created:



4. Write the code inside the files with their respective syntax:

For C language:



For C++ language:

5. Run the commands to create the object files of source files:

```
gcc -o obj test.c
g++ -o obj test.cpp
```

6. Run the Following commands to run the object file:

```
./obj
```

7. The desired Output is as Follows:

Task 3:

Link of Github Repository:

This is the link of <u>Github Repository</u> that contains the tasks of lab.