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**COURSE TITLE: OPERATION
RESEARCH**

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Course: CSC 312 (Compiler Construction I)

Assignment Answer

When we write our program in C++ language, it needs to be converted to machine language (which is binary language) as compiling a program. We compile a code with the help of a compiler.

INTEGRATED DEVELOPMENT ENVIRONMENT (IDE)

To write and compile our C++ program, we have been provided with many IDEs. An IDE consists of a Text Editor as well as a Compiler. We type our program in the text editor which is then compiled by the compiler.

TEXT EDITOR

We write our program in text editor. The file containing our program is called source file and is saved with a .cpp extension.

C++ Compiler

After saving our program in a file with the .cpp extension, we need to compile it to convert it into machine language that compiler can understand.

WRITING AND COMPILING C++ PROGRAM ON WINDOWS

Though there are many IDEs available for editing and compiling C++ programs for Windows, here we are talking about editing and compiling program using DevC++ which allows us to edit, compile and run our program. We can write a program in DevC++, first, make sure it is installed in your computer. If not then download & install it.

To write and compile in DevC++, follow the steps given below

1. On opening DevC++, you will get a window. Click on File → New → Source file option.
2. Write your C++ program as shown below and save it.
3. Once you have written the program, click on compile & run.
4. An output window will appear showing the result that is, Hello world printed.

