

Programming Language Design & Implementation Assignment 1

Divij Singh

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1 Q1

- (a) The `#` sign specifies that the following command is a preprocessor directive. The `'include'` keyword specifies that the program will be using code from the specified library.
- (b) `'iostream'` is the name of a header file, and the brackets signify that it is an in-built library.

2 Q2

[illegible]

3 Q3

- (a) The './' indicates to the shell that it should look in the current directory for the program.
- (b) If the characters were absent, the shell would look through the system's PATH variables for the program.

4 Q5

```
g++ -o hello hello.cc
```

5 Q8

The new rule is recompiling all the .cc files.

Changing a line of code in one files forces the recompiling of all other files dependant on it.