

Assignment 1

Please follow assignment guidelines when submitting assignments

Upload a zip file containing the following structure, for example

```
Assignment_<NUMBER> /  
    <QUESTION#>_compiler.pdf  
    <QUESTION#>_execution.pdf  
    HelloWorld.java
```

Failure to submit appropriate documents or failure to submit a compiling .java file will result in a 0 for corresponding tasks

For this assignment you are NOT to use an IDE, you *must* use a terminal to compile and execute your code.

For questions that don't require programming please upload a PDF with the answers, named <QUESTION_N>.pdf

For all questions that involve programming please follow these steps. Please showcase the steps either separately or all together.

- Use compiler commands to compile the file
- Execute the program using the execution commands
- If you receive errors
 - Explain what the errors were
 - Submit working code

1. (2 points)

Answer the following questions

- What is a computer program?
- What is the difference between a compiled language and an interpreted language?
- Which type of language is Java and how does it work?
- What is the difference between expressions and statements

2. (3 points)

Use the following pre-written code and paste it into a corresponding Java file.

```
public class HelloWorld{  
    public static void main(String[] args){  
        System.out.println("Hello, World!")  
    }  
}
```

If there are any errors please submit the working copy of this code. State, briefly, what the errors were.

3. (2 points)

Write a program that prints to the terminal your first and last name and then your major on separate lines. Name the class and file NYUStudent and NYUStudent.java

4. (3 points)

Write a program that takes in a user's first and last name. The terminal should then greet the user accordingly. The output from the program should be "Hello <FIRST LAST>, it's great to meet you!". Name the class and file BasicIO.java