CSC 1109 Lab 1

Woon Jun Wei, 2200624   January 4, 2023

Question 1

Which version of the Java SDK did you install?

I installed 'openjdk-19.0.1' with Intellij.

Question 2

With reference to the lecture slides (Week 1), Java Program Structure Examples, modify:

Part A

Example 1, print out console message with "Hello, I am [your name]!".

Listing 1: Part A Source Code.

```
1  public class parta {
2      public static void main(String[] args) {
3          System.out.println("Hello, I am Jun Wei");
4      }
5  }
```

Listing 2: Part A Output.

```
1  Hello, I am Jun Wei
```

Part B

Example 3, change the currency variable into the module code you are taking in this trimester, while the switch case will print out the complete module title. E.g.: input CSC1009 > Output "Object-Oriented Programming"

Listing 3: Part B Source code.

```java
import java.util.Scanner;

public class partb {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        System.out.println("Enter module code: ");
        String module = sc.nextLine();

        switch(module){
            case "CSC1109":
                System.out.println("Object-Oriented Programming");
                break;
            case "CSC1108":
                System.out.println("Data Structures and Algorithms");
                break;
            case "INF1006":
                System.out.println("Computer Networks");
                break;
            case "INF1004":
                System.out.println("Mathematics 2");
                break;
            default:
                System.out.println("Invalid module code");
                break;
        }
    }
}
```

Listing 4: Part B Output.

```
Enter module code:
CSC1109
Object-Oriented Programming
```

Part C

Example 4: change the for loop, print out the odd number in descending order starting from 102 and ending with 66

Listing 5: Part C Source Code.

```java
public class partc {
    public static void main(String[] args) {
        for(int i = 102; i >= 66; i--){
            if(i % 2 == 1){
                System.out.println(i);
            }
        }
    }
}
```

Listing 6: Part C Output.

```
101
99
97
95
93
91
89
87
85
83
81
79
77
75
73
71
69
67
```