Topic: OOP 3 – Decision Constructs, Arrays and Loops

Assignment 3

1. Create a Java program called EnhancedFor and implement the following:

- Create a String Array containing any six first names.
- Use an enhanced for loop to print each name in the array.

2. What will be the output from the following code, give reason why?

```
public class DoWhile {
  public static void main(String[] args) {
   int i =1;
    do
    {
     System.out.println("i is : " + i);
     i++;
    } while(i < 1);
  }
}
```


3. Create a Java program called TwoDimArray and implement the following:

- Create a two dimensional string array.
- Assign values to the 2d array containing any Country and associated colour.

Example:
France Blue
Ireland Green

- Output the values of the 2d array using nested for loops.

Additional practice exercises

A. Create a program using the If statement. For day numbers from 1….7 print the corresponding text for the day. For example: If day number = 1 then print 'Monday'. If day number other than 1 to 7 then print 'Invalid'.

B. Using If statement with Strings create a program to print the following:

- If string = "Eire" print 'Country is Ireland'.
- If string = "Scotland" print 'Country is Scotland'.
- Otherwise print 'Country not found'.

C. Use a switch statement to implement the above exercise B.

D. Create a String array containing any six first names. Use a for loop to print each name in the array.

E. Declare an integer array of five elements. Assign values to each of the five elements in the array. Output the values from the array using a for loop.