H.H.K.R. Prabhath De Silva
28715
Practical 01

01)

```
package com.mycompany.text1;
public class Text1
{
  public static void main (String[]args)
   {
      System.out.println("Hello World");
   }
}
```

02)

```
package com.mycompany.nameanddegree;
public class NameAndDegree
{
   public static void main (String[]args)
   {
      // display my name
       System.out.println("Prabhath");
      //display next line my degree program
       System.out.println("B.Sc Computer Network");

   }

}
```

03)

For Loop

```
package com.mycompany.loopex;
public class LoopEx
{

```

```
    public static void main(String[] args)
    {
        //for loop
        for (int i = 0; i < 5; i++)
        {
            System.out.println("Executing Loop " + i);
        }
    }
}
```

While Loop

```
package com.mycompany.loopex;
public class LoopEx
{
    public static void main(String[] args)
    {
       //While loop
       int i = 0;
        while (i < 5)
        {
            System.out.println("Executing Loop " + i);
            i++;
        }
    }
}
```

04)

```
package com.mycompany.loopexample;
public class LoopExample
{

    public static void main(String[] args) {
        int[] numbers = {10, 20, 30, 40, 50};

        // "break"
```

```
        for (int x : numbers) {
            if (x == 30) {
                break;
            }
            System.out.print(x);
            System.out.print("\n");
        }
        System.out.println("I'm out of the Loop now");

        System.out.println();
        for (int x : numbers) {
            if (x == 30) {
                continue;
            }
            System.out.print(x);
            System.out.print("\n");
        }
        System.out.println("I'm out of the Loop now");
    }
}
```

05)

```
package com.mycompany.grade;
public class Grade
 {
    public static void main(String[] args)
    {
        char grade = 'A';


        switch (grade) {
            case 'A':
                System.out.println("Excellent!");
                break;
            case 'D':
                System.out.println("You passed");
            case 'F':
                System.out.println("Better try again");
```

```
                break;
            default:
                System.out.println("Invalid grade");
        }
        System.out.println("Your grade is " + grade);

        System.out.println();

        // Using switch-case without break at line number 6
        switch (grade) {
            case 'A':
                System.out.println("Excellent!");
            case 'D':
                System.out.println("You passed");
            case 'F':
                System.out.println("Better try again");
                break;
            default:
                System.out.println("Invalid grade");
        }
        System.out.println("Your grade is " + grade);

        System.out.println();

        if(grade == 'A')
        {
            System.out.println("Excellent!");
        } else if (grade == 'D') {
            System.out.println("You passed");
            System.out.println("Better try again");
        } else if (grade == 'F') {
            System.out.println("Better try again");
        } else {
            System.out.println("Invalid grade");
        }
        System.out.println("Your grade is " + grade);
    }
}
```

06)

```
package com.mycompany.testenhancedforloop;
public class TestEnhancedforloop
 {
    public static void main(String[] args)
    {
        int[] numbers = {10, 20, 30, 40, 50};

        for (int x : numbers)
        {
            System.out.print(x);
            System.out.print(",");
        }
        System.out.print("\n");

        String[] names = {"James", "Larry", "Tom", "Lacy"};

        for (String name : names) {
            System.out.print(name);
            System.out.print(",");
        }
    }
}
```