

## Practical 01

1)

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

2)

```
public class NameAndDegree {  
    public static void main(String[] args) {  
        System.out.println("HDRP Wijesinghe");  
        System.out.println("BSC (Hons) software engineering");  
    }  
}
```

3)

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

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

4)

10

20

I'm out of the Loop now

10

20

40

50

I'm out of the Loop now

5)

```
public class GradeExample {  
    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);  
    }  
}
```

Excellent!

Your grade is A

```
public class GradeExample {  
    public static void main(String[] args) {  
        char grade = 'A';  
        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);  
    }  
}
```

Excellent!

You passed

Better try again

Your grade is A

```
public class GradeExample {  
    public static void main(String[] args) {  
        char grade = 'A';  
  
        if (grade == 'A') {  
            System.out.println("Excellent!");  
        } else if (grade == 'D') {  
            System.out.println("You passed");  
        } else if (grade == 'F') {  
            System.out.println("Better try again");  
        } else {  
            System.out.println("Invalid grade");  
        }  
  
        System.out.println("Your grade is " + grade);  
    }  
}
```

Excellent!

Your grade is A

6)

```
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(",");  
        }  
    }  
}
```

10,20,30,40,50,

James,Larry,Tom,Lacy,