1.

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

2.

```java
public class MyDetails{

 public static void main(String[] args){

System.out.println("Name -: M.A.H.P.S.Mudannayaka");

System.out.println("Degree Program -: MIS");

 }

}
```

3.   a.

```java
public class ForLoop {
public static void main(String[] args) {
int Num = 5;

for (int i = 0; i <Num; i++) {
System.out.println("Executing Loop  " + i);
        }
    }
}
```

   b.

```java
public class WhileLoop{
   public static void main(String[] args) {
     int Num = 5;
     int i = 0;

     while (i < Num) {
       System.out.println("Executing Loop  " + i);
       i++;
     }
      }
     }
```

4.

a.

```java
public class Main {

  public static void main(String[] args) {

    int[] numbers = {10, 20, 30, 40, 50};

    for (int x : numbers) {

      if (x == 30) {

        break;

      }

      System.out.println(x);

    }

    System.out.println("I'm out of the Loop now");

  }

}
```

Output

10
20
I'm out of the Loop now

b.

```java
public class Main {

    public static void main(String[] args) {

        int[] numbers = {10, 20, 30, 40, 50};

        for (int x : numbers) {

            if (x == 30) {

                continue;

            }

            System.out.println(x);

        }

        System.out.println("I'm out of the Loop now");

    }

}
```

Output

10

20

40

50

I'm out of the Loop now

5. a.

```
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);
    }
}
```

Output

Excellent!

Your grade is A

b.

Output

Excellent!

You passed

Better try again

Your grade is A

c.

```java
public class Grade {

    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);

    }

}
```

6.

```java
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(",");

      }

   }

}
```

Output

10,20,30,40,50,
James,Larry,Tom,Lacy,