Lab Practicals

Practical 01

Question 01

```java
import java.util.Scanner;
public class L1Prac01 {

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

Question 02

```java
import java.util.Scanner;
public class L1Prac01 {
public static void main(String[] args)
 {
Scanner sc=new Scanner(System.in);
String Name, Degree;
System.out.println("Enter your Name ");
Name=sc.nextLine();
System.out.println("Enter your Degree ");
Degree=sc.nextLine();

 System.out.println(Name);
 System.out.println(Degree);
 }
}
```

Question 03

```java
public class Q03
{

  public static void main(String[] args)
   {
```

```java
    //For Loop-------------------
     int i;
    for(i=0; i<5; i++)
     {
         System.out.println("Executing Loop "+i);
     }


    //While Loop-----------------------
      int i=0;
     while(i<5)
       {
         System.out.println("Executiong Loop "+i);
         i++;
       }
    }
 }
```

Question 04

```java
 //break-----------------------
       public class Q04
       {

         public static void main(String[] args)
         {
          int [] numbers = {10, 20, 30, 40, 50};
          for(int x : numbers ){
            if( x == 30 ){
                break;
            }
          System.out.print( x );
          System.out.print("\n");
         }
          System.out.print("I'm  out of the Loop now");
        }
       }
```

Output : 10
20
I'm out of the Loop now

```
//continue---------------------
       public class Q04
       {

          public static void main(String[] args)
          {

            int [] numbers = {10, 20, 30, 40, 50};
           for(int x : numbers ){
             if( x == 30 )
           {
                continue;
           }
           System.out.print( x );
           System.out.print("\n");
          }
            System.out.print("I'm  out of the Loop now");

          }
       }
```

Output   :   10
20
40
50
I'm out of the Loop now

Question 05

```
       import java.util.Scanner;
       public class Q05
       {

          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

//Removing break----------------------
```
        import java.util.Scanner;
        public class Q05
        {

            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);
        }
        }
```
Output : Excellent!
You passed
Better try again
Your grade is A

```java
//With If else if--------------------
import java.util.Scanner;
public class Q05
{

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

    }
}
```

Output :   Excellent
Your grade is A

Question 06

```java
public class Q06
{

    public static void main(String[] args)

    {
        int [] numbers = {10, 20, 30, 40, 50};
            for(int x : numbers )
```

```java
        {
                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,