Lab Program 1

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

Output → Program 1

Hello World

Output → Program 2

Two numbers are 10 5

Sum of two numbers: 15

Difference of two numbers: 5

Product of two numbers: 50

Quotient of two numbers: 2

Lab Program 2

```
class SimpleCalculator
{
    public static void main (String arg[]);
    {
        int a=10, b=5;
        int sum= a+b;
        int difference = a-b;
        int product = a*b;
        int quotient = a/b;
        System.out.println("Two numbers are"+a+
                                    " "+b);
        System.out.println("Sum of two numbers:"
                                    + sum);
        System.out.println("Difference of two
                                    numbers:" + difference);
        System.out.println("Product of two
                                    numbers:" + product);
        System.out.println("Quotient of two
                                    numbers:" + quotient);
    }
```

Lab Program 3

```
class SimpleInterest
{
  public static void main(String arg[])
  {
    int principle=50000;
    double rate=6.5;
    int time=10;
    double simple_interest=(principle * rate
                            * time)/100;
    System.out.println("Principle amount:"
                       + principle);
    System.out.println("Interest:"+rate);
    System.out.println("Time Period:"+time);
    System.out.println("Simple Interest is:"
                       +simple_interest);
  }
}
```

Output → Program 3

Principle amount : 50000
Interest : 6.5
Time Period : 10
Simple Interest is : 32500.0

Lab Program - 4

```
class Fibonacci
{
    public static void main (String arg[])
    {
        int n1=0;
        int n2=1;
        int n=5;
        System.out.println("Sum upto 5
                            terms:");
        while(n>0){
        System.out.println(n1);
        int nth = n1+n2;
        n1=n2;
        n2=nth;
        n--;
}
}
}
```

Output - 4

Sum up to 5 terms

0

1

1

2

3

22/9/25

Lab - Program 5

```
class MultiplicationTables {
    public static void main (String arg[]){
        System.out.println ("Multiplication Table
                                of 3 and 5 ");
        for (int i=1; i<=10; i++){
            System.out.println ("3X"+i+"="+3*i);
        }
        for (int i=1; i<=10; i++) {
            System.out.println ("5X"+i+"="+5*i);
        }
    }
}
```

Output

Multiplication table of 3 and 5

3 X 1 = 3

3 X 2 = 6

3 X 3 = 9

3 X 4 = 12

3 X 5 = 15

3x6 = 18

3x7 = 21

3x8 = 24

3x9 = 27

3x10 = 30

5x1 = 5

5x2 = 10

5x3 = 15

5x4 = 20

5x5 = 25

5x6 = 30

5x7 = 35

5x8 = 40

5x9 = 45

5x10 = 50

Lab Program - 6

```
class Factorial {
    public static void main (String arg[]){
        int n=6;
        int factorial= i ;
        for (int i=1 ; i<=6 ; i++){
            factorial x =i;
        }
        System.out.println ("The factorial of
            number 6 is: "+ factorial );
    }
}
```

Output

The factorial of number 6 is: 720