Lab Program 1 - 1

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

output:

Hello world

Lab Program 2

```
class Simple Calculator
{
    public static void main(String args[])
    {
        int a = 10, b = 2;
        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 is: "+sum);
        System.out.println("Difference of two numbers is: "+difference);
        System.out.println("Product of two numbers are: "+product);
        System.out.println("Quotient of two numbers is: "+quotient);
    }
}
```

Output:
Two numbers are 10 2
Sum of two numbers is : 12
Difference of two numbers is : 8
Product of two numbers : 20
Quotient of two numbers is : 5

Lab Program 3

```
class SimpleInterest
{
  public static void main(String args[])
  {
    int principle = 10000;
    double interest = 7.2;
    int Time = 5;
    double simple_interest = (principle * interest * time)/100;
    System.out.println("principle is:" + principle);
    System.out.println("interest is:" + interest);
    System.out.println("time is:" + time);
    System.out.println("simple interest is:"
        + simple_interest);
  }
}
```

Output:
principle is: 10000
interest is: 7.2
time is: 5
simple interest is: 3600.0

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Lab Program 4

```
class Fibonacci series
{
 Public static void main (String args [])
 {
  int n1 = 0 n2 = 1;
  int n = 5;
  System .out. println (" sum of upto 5 terms");
 while (n>0){
  System. out. print ln (" sum of upto 5 terms");
  while (n>0) {
   System. out. print ln (n1);
   int nth = n1 + n2;
       n1 = n2;
       n2 = nth;
       n - -;
   }
  }
 }
```

output:

```
Sum of upto 5 terms
0
1
1
2
3
```

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LAB PROGRAM 5.

```
class MultiplicationTables {
    public static void main(String[] args)
        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);
    }
}
}
```

O/P:

```
Multiplication table of 3 and 5
3X1=3
3X2=6
3X3=9
3X4=12
3X5=15
3X6=18
3X7=21
3X8=24
3X9=27
3X10=30
5X1=5
5X2=10
5X3=15
```

5 X 4 = 20
5 X 5 = 25
5 X 6 = 30
5 X 7 = 35
5 X 8 = 40
5 X 9 = 45
5 X 10 = 50

LAB PROGRAM 6

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

O/p: The factorial of number 6 is: 720