LAB - 1

1BM19CS143
SANNIDHI KASTURI
Sannidhi

DATE: 25.09.20

// Program in Java to print "Hello World".

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

LAB-2

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sannidhi

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//Java Program to print the largest of three nos. using if-construct.

```
class LargestofThreeNumbers {
public static void main (String args[]) {
int num1=3, num2=4, num3=5;
if (num1>num2 && num1>num3)
System.out.println("Largest of the three numbers:"+num1);
else if (num2>num1 && num2>num3)
System.out.println("Largest of the three numbers:"
+num2);
else
System.out.println("Largest of the three numbers:"
+num3);
}
}
```

LAB-3

1BM19CS143
Sannidhi K.
Sannidhi

25.09.20

// Program in Java to ~~input~~ print numbers from 1 to n taking input from the user.

```
import java.util.*;
class UserInput {
  public static void main(String args[]) {
Scanner in = new Scanner(System.in);
int n;
System.out.println("Enter value of 'n':");
n = in.nextInt();
for(int i = 1; i <= n; i++) {
System.out.println(i);
}
}
}
```

LAB-4

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Sannidhi Kasturi
Sannidhi

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// Printing a pattern.

```
import java.util.*;
class Pyramid{
  public static void main(String args[]){
  Scanner in = new Scanner(System.in);
  int n, num = 1;
  System.out.println("Enter the number of
rows:");
  n = in.nextInt();
for(int i=1; i<=n; i++){
for(int j=1; j<=i; j++){
System.out.println(num + "\t");
num++;
}
System.out.println("\n");
}
}
```

LAB-5

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Sannidhi Kasturi

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// Java Program to print grade of the student taking CIE (out of 50) and SEE (out of 100) from the user.

```
import java.util.*;
class Grade{
public static void main(String args[]){
Scanner in = new Scanner(System.in);
int cie, see, total = 0;
char grade;
System.out.println("Enter the CIE marks (out of 50): ");
cie = in.nextInt();
System.out.println("Enter the SEE marks (out of 100): ");
see = in.nextInt();
total = (cie + (see/2));
if(total >= 90 && total <= 100)
System.out.println("S grade");
else if(total >= 80 && total < 90)
System.out.println("A Grade");
else if(total >= 70 && total < 80);
System.out.println("B Grade");
else if(total >= 60 && total < 70);
System.out.println("C grade");
else if(total >= 50 && total < 60);
System.out.println("D Grade");
else if(total >= 40 && total < 50)
System.out.println("E Grade");
else if(total < 40)
System.out.println("F grade");
else System.out.println("Invalid Input!"); }}
```

LAB-6

1BM19CS143
Sannidhi K

25.09.20.

// Java Program to print all the prime nos. between two given integers.

```
import java.util.*;
class PrimeNumber {
  public static void main (String args [])
   Scanner in = new Scanner (System.in);
   int num1, num2;
    boolean flag;
    System.out.println("Enter the first number:");
    num1 = in.nextInt();
    System.out.println("Enter the second number:");
    num2 = in.nextInt();
    for(int k=num1 ; k<=num2; k++) {
    flag = true;
    if (k<2) {
     flag = false;
    }
    else {
      for(int i = 2; i <k; i++) {
    if (flag) if(k%i ==0) {
          flag= false;
      }
    }
    if (flag) {
    System.out.println(k);
  }
}
```