1. Write Java program to print "hello world".

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

2. Java program to find largest of three numbers using if construct

Largest: Java.

```
public class Largest
{
public static void main(String[] args)
{
int a=5, b=34, c=88;
if (a>=b && a>c)
System.out.println(a+" is the largest");
else if (b>=a && b>=c)
System.out.println(b+" is the largest");
else
System.out.println(c+" is the largest");
}
}.
```

Out put:

88 is the largest.

3. Java program to print value from 1 to n by taking input from the user

Numbers.Java

```
import java.util.Scanner
class Numbers
{
public static void main(String arg[])
{
System.out.int n;
System.out.println("enter integer")
Scanner Scanner = new Scanner(System.in);
n=scanner.nextInt();
System.out.println("you entered integer"+n);
for(int i=1; i<=n ; i++)
system.out.println("Number"+i);
}
}
```

4. Write java program to accept a number from the user and print n rows of output as given below

if n=4.

```
1
2 3
4 5 6
7 8 9 10
```

```
class Triangle
{
public static void main(
String args[])
{
int i, j, k=1;
for(i=1; i<=4 ; i++)
{
for(j=1 ; j<=i ; j++);
```

```
System.out.println (k++);
System.out.println (" ");
    }
}
}
```

6. Write a Java program to accept the CIE marks (out of 50) & SEE marks (out of 100) of a student & print his/her grade. use elseif ladder.

```
import java.util.Scanner;
public class primenumbers;
{
public static void main(String arg[])
{
Scanner SC= new Scanner (System.in);
System.out.println ("Enter starting number:");
int start = sc.nextint();
System.out.println ("Enter Ending number:");
int end = sc.nextint();
System.out.println ("prime numbers between
        "+start"+ and "+end"+ are :");
int count;
for (int i= start; i<=end ; i++)
{
count = 0;
for (int j = 1 ; i<=1 ;j++)
{
if (i % j == 0).
    count = count +1;
```

```
}
if (count == 2)
System.out.println(i);
}
sc.close();
}
}
```

Output:

Enter starting Number: Enter ending number
prime number between 1 & 30 are:

2	11	23
3	13	29
5	17	
7	19	

5) CIE & SEE marks

```
Import java.util.*;
public class marks
{
public static void main (String args[])
{
float cie, see;
Char grade;
Scanner in= new scanner (system.in);
System.out.println ("Enter CIE (out of 50)
and see (out of 100)");
  Cie = in.nextint();
see = in.nextint();
float tot = cie +(seee/2);
```

Lab 1: program

```
if (tot >= 89.5 && tot <= 100)
grade = 'S';
else if (tot >= 79.5 && tot < 89.5)
grade = 'A';
else if (tot >= 69 && tot < 79.5)
grade = 'B';
else if (tot >= 59.5 && tot <= 69.5)
grade = 'C';
else if (tot >= 49.5 && tot <= 59.5)
grade = 'D';
else if (tot >= 39.5) && tot <= 49.5)
grade = 'E';
else
grade = 'F';
if [cie < 19.5 || see < 39.5)
grade = 'F';
System.out.println ("Grade obtained :" + grade);
}
}
```

```
1  public class Largest
2  {
3  public static void main(String[] args)
4  {
5  int a=5,b=34, c=88;
6  if(a>=b && a>=c)
7  System.out.println(a+" is the largest Number");
8  else if (b>=a && b>=c)
9  System.out.println(b+" is the largest Number");
10 else
11 System.out.println(c+" is the largest number");
12 }
13 }
14
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

Interactive

CommandLine Arguments

Execute

Result

CPU Time: 0.19 sec(s), Memory: 32636 kilobyte(s)

```
88 is the largest number
```

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```java
import java.util.Scanner;

public class Numbers
{
    public static void main(String[] args)
    {

        Scanner scanner = new Scanner(System.in);


        System.out.print("Enter the value n : ");

        int n = scanner.nextInt();

        System.out.println("Numbers are : ");
        for(int i=1; i<=n; i++)
        {
            System.out.println(i);
        }
    }
}
```

Execute Mode, Version, Input

JDK 17.0.4

Interactive

CommandLine Arguments

Result

CPU Time: 0.26 sec(s), Memory: 31944 kilobytes

```
Enter the value n : Numbers are :
1
2
3
4
5
6
7
```

```
class triangle {

public static void main(String[] args)


    int i,j,k=1;


    for(i=1;i<=4;i++)
    {
    for(j=1;j<=i;j++)
    System.out.print(k++);
    System.out.println("  ");
    }
}
}
```

Result

CPU Time: 0.16 sec(s),

```
1
23
456
78910
```