

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");
    }
}
```

Output :

88 is the largest.

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

```
import java.util.Scanner;
class Numbus
{
```

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

```
System.out.print n;
```

```
System.out.println ("enter integer")
```

```
Scanner scanner = new Scanner (System.in);
```

```
Scanner.nextInt(); 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 n from the user and print n rows of output as given below

if n = 4.

```
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++)
```

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



```

System.out.println ( K++);
System.out.println ( " " );
}
}
}

```

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

```

6) → 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; j <= i; j++)
            {
                if (i % j == 0)
                    count = count + 1;
            }
        }
    }
}

```

```

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

```

Output:

45) Enter starting Number: Enter ending number  
prime numbers 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 + (see/2);
    }
}

```



Lab 1.  
program



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```
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

```

1
2 import java.util.Scanner;
3
4 public class Numbers
5 {
6     public static void main(String[] args)
7     {
8
9         Scanner scanner = new Scanner(System.in);
10
11         System.out.print("Enter the value n : ");
12
13         int n = scanner.nextInt();
14
15         System.out.println("Numbers are : ");
16         for(int i=1; i<=n; i++)
17         {
18             System.out.println(i);
19         }
20     }
21 }
22
23
24

```

Execute Mode, Version, Input

IDE 11.0.4

☐ Interactive

CommandLine Arguments

Result

CPU Time: 0.26 sec(s), Memory: 33944 kilobyte(s)

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(" ");  
        }  
    }  
}
```

Execute Mode: V

#### Result

CPU Time: 0.16 sec(s), Mem

1  
21  
456  
78910



jdoodle.com/online-java-compiler/

```
import java.util.Scanner;
public class primenumbers {
    public static void main(String[] args)
    {
        Scanner sc=new Scanner(System.in);

        System.out.print("Enter Starting Number : ");
        int start = sc.nextInt();
        System.out.print("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 ; j <= i ; j++)
            {
                if(i % j == 0)
                    count = count+1;
            }
            if(count == 2)
                System.out.println(i);
        }
        sc.close();
    }
}
```

Execute Mode, Version, Inputs & Arguments

Execute

Result

CPU Time: 0.32 sec(s), Memory: 37312 kilobyte(s)

Enter Starting Number : Enter Ending Number :  
2  
3  
5  
7  
11  
13  
17  
19  
23  
29

Online C Compiler - online editor

(no subject) - shwetapaul25194

idkiddo.com/online-java-compiler/

```
1 // java.util.*;
2 // class marks
3
4 public static void main(String[] args)
5 {
6     Scanner sc = new Scanner(System.in);
7     System.out.println("Enter CIE(out of 50) and SEE marks(out of 100)");
8     int CIE = sc.nextInt();
9     int SEE = sc.nextInt();
10    int tot = CIE + SEE;
11    float per = (tot * 100) / 150;
12    String grade;
13    if (per >= 70) grade = "A";
14    else if (per >= 60) grade = "B";
15    else if (per >= 50) grade = "C";
16    else if (per >= 40) grade = "D";
17    else if (per >= 30) grade = "E";
18    else if (per >= 20) grade = "F";
19    else if (per >= 10) grade = "G";
20    else grade = "H";
21    System.out.println("Grade Obtained: " + grade);
22 }
```

Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

☐ Interactive

CommandLine Arguments

Execute

Result

CPU Time: 0.26 sec(s), Memory: 34896 kilobyte(s)

Enter CIE(out of 50) and SEE marks(out of 100)

Grade Obtained: B

```
shweta
Enter the corresponding option
1.JEE
2.NEST
3.ADVANCE
jee
Enter 'c' to continue or press any key to leave
*****
the students elected for the diff choices are listed below
<
The students registered for 1.JEE are
The students registered for 2.NEST are
The students registered for 3.ADVANCE are
the total no of students in each Elective are:
I
1.JEE 0
2.NEST 0
3.ADVANCE 0
and Us - GDB
...Program finished with exit code 0
Press ENTER to exit console.□
```