

Week 2

25-09-2020

- ① Write a java program Hello world

public class Hello  
{

    public static void main(String[] args)  
    {

        System.out.println("Hello world");

{

- ② WAP to print largest of 3 using of  
construct

import java.util.\*;

public class largest  
{

    public static void main(String[] args)  
    {

        Scanner sc = new Scanner(System.in);  
        int a, b, c;

        System.out.println("Enter the first  
        number");

        a = sc.nextInt();

        System.out.println("Enter the second  
        number");

        b = sc.nextInt();

        System.out.println("Enter the third  
        number");

        c = sc.nextInt();

Date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

```
if (a>b & & a>c)
```

```
System.out.println(a + " is largest");
```

```
else if (b>a & & b>c)
```

```
System.out.println(b + " is largest");
```

```
else
```

```
System.out.println(c + " is largest");
```

(3)

WAP to print the values from 1 to n  
by taking input from user

```
import java.util.*;
```

```
public class Input
```

{

```
public static void main(String args)
```

```
{ int n;
```

```
Scanner sc = new Scanner(System.in)
```

```
n = sc.nextInt();
```

```
for (int i = 1; i <= n; i++)
```

```
    System.out.println(i);
```

{

{

(4) WAP to print following pattern

1				
2	3			
4	5	6		
7	8	7	10	

```
import java.io.*;
import java.util.*;
public class pattern
{
```

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

```
        int k = 1;
```

```
        for (int i = 1; i <= n; i++)
        {
```

```
            for (int j = 1; j <= i; j++)
            {
```

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

```
        System.out.println();
    }
}
```

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

```
    Scanner sc = new Scanner (System.in);
    int num;
    int num;
```

```
    System.out.println ("Enter the number
                        of rows ");
```

```
    num = sc.nextInt ();
    pattern (num);
```

```
{ }
```

Page No. \_\_\_\_\_

⑤ WAP to accept CIE marks out of 50 and SEE marks (out of 100) of a student and print his/her grade

import java.util.\*;

public class cie\_and\_see

{ private static double cie; }

private static double see;

public static void main()

{ Scanner sc = new Scanner();  
System.out.println("Enter CIE marks");

cie = sc.nextDouble();  
System.out.println("Enter SEE marks  
out of 100");

see = sc.nextDouble();

System.out.println("Total marks  
obtained is " +

(cie + see));

public static void calc()

read();

double total = Math.round(cie + see);

System.out.println("Total marks  
obtained is " +

```
if (total >= 90 && total <= 100)
```

```
System.out.println ("Grade obtained is : S")
```

{

```
else if (total >= 80 && total < 90)
```

```
System.out.println ("Grade obtained is : A")
```

```
else if (total >= 70 && total < 80)
```

```
System.out.println ("Grade obtained is : B")
```

```
else if (total >= 60 && total < 70)
```

```
System.out.println ("Grade obtained is : C")
```

```
else if (total >= 50 && total < 60)
```

```
System.out.println ("Grade obtained is : D")
```

```
else if (total >= 40 && total < 50)
```

```
System.out.println ("Grade obtained is : E")
```

else

```
System.out.println ("Grade obtained is F")
```

{

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

{

```
calc ();
```

{

```
total);
```

{

Q) WAP to print prime numbers between two given integers

```
import java.util.*;
public class prime
{
    public static boolean checkprime(int n)
    {
        int flag = 1;
        for (int i = 2; i <= n/2; i++)
        {
            if (n % i == 0)
                flag = 0;
            break;
        }
        if (flag == 1)
            return true;
        else
            return false;
    }
}
```

public static void main (String [] args)

{ int a, b;

Scanner sc = new Scanner (System.in);  
System.out.println ("Enter the first");

a = sc.nextInt();

System.out.println ("Enter the second");

b = sc.nextInt();

for (int i=a; i<=b; i++)

{ if (checkprime (i))

System.out.println (i + " " + "is prime");

}

{ }

{