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1BM19CS150

WEEK-2 OOJLAB

1. Write a Java Program to Print Hello World

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

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

```
public class Largest
{
  public static void main(String[] args)
{ double n1=4.5, n2=3.9, n3=2.5;
  if (n1>=n2 && n1>=n3)
     System.out.println(n1+" is the largest number.");
  else if (n2>=n1 && n2>=n3)
     System.out.println(n2+" is the largest number.");
  else
     System.out.println(n3+" is the largest number.");
  }
```

3. Write a JAVA program to print the values from 1 to n by taking input from the user

```
import java.util.Scanner;
public class print
{
    public static void main (String[] args)
    {
        Scanner scanner = new Scanner (System.in);
            int n = scanner.nextInt();
        System.out.println ("Numbers are: ");
        for (int i=1 ; i<=n; i++)
        {
            System.out.println(i);
        }
    }
}
```

4. Write a JAVA program to accept a number n from the user & print n rows of output as given below if n=4

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

```
import java.util.*;
class Series
{
    public static void main( String[] args)
    {
        Scanner sc = new Scanner (System.in);
        int i, j, c=1, n;
        System.out.println ("Enter the value of n");
```

```
        n = sc.nextInt();
      for (i=1 ; i<=n; i++)
    {
      for(j=1; j<=i ; j++)
      {
        System.out.print(c+" ");
        c++;
      }
        System.out.println();
    }
  }
}
```

5. Write a JAVA program to accept CIE marks (out of 50) & SEE marks (out of 100) of a student & print his/her grade. Use if -- else if ladder

```
import Java.util.*;
class Grade
{
  public static void main(String[] args)
  { Scanner sc = new Scanner(System.in);
    int CIE, SEE;
    float total;
  System.out.println("Enter the CIE marks of the student out of 50");
    CIE = sc.nextInt();
  System.out.println("Enter the SEE marks of the student out of 100");
    SEE = sc.nextInt();
    total = CIE + ((float)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 >= 40 && total < 60)
   {
    System.out.println ("D Grade");
   }
    else
    {
     System.out.println ("F Grade");
    }
}
```

6. Write a C/JAVA program to print the prime numbers b/w given two integers (inclusive). Accept these two integers from the user

```
import java.util.*;
class Prime
{
   public static void main (String [ ] args)
{  Scanner sc = new Scanner (System.in);
   int st, en, i, j, c = 0;
  System.out.println("Enter the starting & ending values");
    st = sc.nextInt();
    en = sc.nextInt();
```

```
System.out.println("The prime numbers are");
  for (i=st; i<=en; i++)
  {
     for (j=1; j<=i; j++)
      {
         if (i%j==0)
           {
             c++;
           }
      }
        if (c==2)
        {
          System.out.println(i);
        }
        c=0;
    }
  }
}
```