JAVA ASSIGNMENTS

**1)Simple program of Displaying a string**

public class HelloWorld

{

public static void main(String[] args)

{

System.out.println("HELLO WORLD");

}

}

**2) Basic Program of Class and Objects**

public class Student {

int id;

String name;

public static void main(String args[])

{

Student s1=new Student();

System.out.println(s1.id);

System.out.println(s1.name);

}

}

**3) Basic Program of Class and Objects**

class TestStudent2{

int id;

String name;

}

class Student2

{

public static void main(String args[])

{

TestStudent2 s1=new TestStudent2();

s1.id=101;

s1.name="SOOOOO";

System.out.println(s1.id);

System.out.println(s1.name);

}

}

**4)Basic Program of Class and Objects**

class Student10{

int rollno;

String name;

void insertRecord(int r, String n){

rollno=r;

name=n;

}

void displayInformation(){System.out.println(rollno+" "+name);}

}

class Student3{

public static void main(String args[]){

Student10 s1=new Student10();

Student10 s2=new Student10();

s1.insertRecord(111,"Karan");

s2.insertRecord(222,"Aryan");

s1.displayInformation();

s2.displayInformation();

}

}

**5)Performing Calculations on Number**

import java.util.Scanner;

public class Calculation {

public static void main(String args[])

{

int num1,num2,sum=0,sub=0;

Scanner sc=new Scanner(System.in);

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

num1=sc.nextInt();

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

num2=sc.nextInt();

sum=num1+num2;

sub=num1-num2;

System.out.println("Sum is "+sum);

}

}

**6)Printing a Pattern**

public class Assignment1 {

public static void part1()

{

int i,j;

for(i=0;i<=5;i++)

{

for (j=0;j<i;j++)

{

if(i%2!=0)

System.out.print("\*");

else

System.out.print("+");

}

System.out.println();

}

}

public static void main(String args[])

{

part1();

}

}

**7) Count the no of times the object is formed.**

public class Assignemnt2 {

static int count=0;

Assignemnt2()

{

count++;

}

public static void main(String[] args)

{

Assignemnt2 obj1 = new Assignemnt2();

Assignemnt2 obj2 = new Assignemnt2();

Assignemnt2 obj3 = new Assignemnt2();

Assignemnt2 obj4 = new Assignemnt2();

System.out.println("Number of objects created:"+count);

}

}

**8)Finding smallest no out of three numbers**

import java.util.Scanner;

class Assignment3{

public static void main (String args[])

{

Scanner scan=new Scanner(System.in);

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

int num1=scan.nextInt();

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

int num2=scan.nextInt();

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

int num3=scan.nextInt();;

findSmallest(num1,num2,num3);

}

static void findSmallest(int num1,int num2, int num3)

{

if(num1<=num2 && num1<=num3)

System.out.println(num1+" is the smallest number");

else if(num2<=num1 && num2<=num3)

System.out.println(num2+" is the smallest number");

else

System.out.println(num3+" is the smallest number");

}

}

**9)Printing the date and time**

import java.util.Date;

class Assignment4 {

public static void main(String args[])

{

Date date=new Date();

System.out.println("Date is "+date);

}

}

**10)Printing the factorial of a number**

import java.util.Scanner;

class Assignment5 {

public static void main (String args[])

{

int num,fact=1;

Scanner sc=new Scanner(System.in);

System.out.println("Enter the number\n");

num=sc.nextInt();

for(int i=1;i<=num;i++)

fact=fact\*i;

System.out.println("Factorial is:"+fact);

}

}