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Assignment(java)

public class Main

{

public static void main(String[] args) {

**//Type Casting**

int a=2;

double b=a; //Automatic(int to double)

System.out.println(a);

System.out.println(b);

double a=6.789;

int b=(int) a;//Manual

System.out.println(a);

System.out.println(b);

**//Shifting Operation**

int a=5;

a<<=6;

System.out.println(a);

**//Math Operation**

System.out.println(Math.max(12,4));

System.out.println(Math.min(12,4));

System.out.println(Math.sqrt(25));

System.out.println(Math.abs(-2.3));

System.out.println(Math.random());

int rn=(int)(Math.random()\*51);

System.out.println(rn);

**//Switch case**

int roll=3;

switch(roll){

case 1:

System.out.println("Ayush");

break;

case 2:

System.out.println("Vani");

break;

case 3:

System.out.println("ritik");

break;

case 4:

System.out.println("debdip");

break;

default:

System.out.println("none");

}

**//While Loop**

int i=0;

while(i<10)

{

System.out.println(i);

i++;

}

**//For Loop**

for(int i=0;i<10;i++){

System.out.println(i);

}

//Array

String[] name={"ritik","debi","golu","alia"};

for(int i=0;i<name.length;i++){

System.out.println(name[i]);

}

}

}

**//Switch case arithmetic operations**

public class Main

{

public static void main(String[] args) {

int a=7;

int b=10;

int number=2;

switch(number){

case 1:

int c=a+b;

System.out.println("sum:"+c);

break;

case 2:

int d=a-b;

System.out.println("sub:"+d);

break;

case 3:

int f=a\*b;

System.out.println("multi:"+f);

break;

default:

System.out.println("none");

}

}

}

**//Array**

public class Main

{

public static void main(String[] args) {

int[] name={2,23,45,66,75,33,11,70};

System.out.println(name[5]);

}

}

**//Star Pattern**

public class Main

{

public static void main(String args[])

{

int i, j, a = 6;

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

{

for (j=a-i; j>1; j--)

{

System.out.print(" ");

}

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

{

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

}

System.out.println();

}

}

}

**//Print the table of 13 using loop**

public class Main {

public static void main(String[] args)

{

int N = 13;

for (int i = 1; i <= 10; i++) {

System.out.println(N + " \* " + i + " = "+ N \* i);

}

}}

**//Take 10 user integers in loop and print the square root of sum of the numbers**

import java.util.Scanner;

public class Main

{

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int sum=0;

for(int i=0;i<10;i++){

sum=sum+sc.nextInt();

}

System.out.println("Square root of sum is:"+Math.sqrt(sum));

}

}

**//Method & Method overloading**

public class Main{

static void func(){

System.out.println("Hello");

}

static void func(int a){

System.out.println("area"+ a\*a);

}

static void func(int a , int b){

System.out.println("Area"+ a\*b);

}

static int f1(int a , int b){

return a+b;

}

public static void main(String[] args){

int a=9;

int b = 8;

func(a,b);

func();

func(a);

System.out.println(f1(a,b));

}