public class task1{

public static void main(String [] args){

System.out.println("Enter an integer:");

int number1= 58;

//Getting the value to check the value has been stored properly.

System.out.println("The value of number1 is:"+ number1);

}

}

public class task2{

public static void main (String [] args){

int number1= 58;

System.out.println("Enter another integer:");

int number2= 20;

int sum= number1 + number2;

//Verifing the addition has been done correctly

System.out.println("sum");

}

}

public class task3{

public static void main (String [] args){

System.out.println("Enter two numbers");

int number1 = 58;

int number2 = 20;

//Calculate product of two integer numbers= 58\*20

int product = number1 \* number2;

//Division the two integer numbers= 58/20

int division = number1/number2;

System.out.println(“The product is:”+ product);

System.out.println("The division is:"+ division);

}

}

public class task4{

public static void main(String [] args){

double number1 = 58;

double number2 = 20;

//Sum of two double numbers= 58+20

double sum = number1 + number2;

//Calculate the product of two double numbers= 58\*20

double product = number1\*number2;

//Division of two double numbers= 58/20

double division = number1/number2;

System.out.println("The sum is:"+ sum);

System.out.println("The product is:"+ product);

System.out.println("The division is:"+ division);

}

}

public class task5{

public static void main(String [] args){

System.out.println("Enter one double");

double number1= 58;

System.out.println("Enter one integer");

int number2= 20;

//Calculate sum of number1 and number2= 58+20

double sum= number1 + number2;

//Calculate product of number1 and number2= 58\*20

double product= number1\*number2;

//Calculate division of number1 and number2= 58/20

double division= number1/number2;

System.out.println("The sum is:"+ sum);

System.out.println("The product is:"+ product);

System.out.println("The division is:"+ division);

}

}

public class task6{

public static void main(String [] args){

int number1= 58;

String value1="Morning";

String result=number1+value1;

System.out.println("result");

}

}

public class task12{

public static void main(String [] args){

System.out.println("Enter a radius");

//Getting radius of a circle

int radius=4;

//Calculate the circumference

double circumference=2\*Math.PI\*radius;

//Calculate the area

double area=Math.PI\*radius\*radius;

// Calculates the circumference and area of a circle

System.out.println("The circumference of a circle:"+circumference);

System.out.println("The area of a circle:"+ area);

}

}

public class task13{

public static void main(String[]args){

System.out.println("Enter an integer");

int number1= 24121018;

//Getting the last two digits of the number

int last2Digits= number1%100;

System.out.println("last2Digits of the number:"+ last2Digits);

}

}

public class task14{

public static void main(String[]args){

System.out.println("Enter a number in inches");

int inches=1000;

//Convert the number to meters

double meters= inches\*0.0254;

System.out.println("Convert inches to meters");

}

}

public class task15{

public static void main(String [] args){

System.out.println("Enter an integer");

int p=10;

System.out.println("Enter another integer");

int q=20;

//Creating a third variable to swap the values of these two variables

int hold= 0;

hold= p;

p= q;

q= hold;

System.out.println("After using third variable to swap the value:p="+p+",q=" +q);

}

}

public class task16{

public static void main(String [] args){

System.out.println("Enter a number of minutes");

int minutes= 3456789;

//Convert minutes into years and days

int minutesIntoDays= 60\*24;

int daysIntoYears= 365\*1;

//Getting the result of years and remaining days

int fullDays= minutes/minutesIntoDays;

int years= fullDays/daysIntoYears;

int days= fullDays%daysIntoYears;

System.out.println(minutes+"minutes is approximately"+ years+"years" +days+"days");

}

}

public class task17{

public static void main(String [] args){

//Assigning the values of three integer variables

System.out.println("Enter an integer");

int a=2;

System.out.println("Enter another integer");

int b=5;

System.out.println("Enter last integer");

int c=8;

//Calculate and display the value of variable d

int d=(2\*b\*c-a/3)+7;

System.out.println("The value of d is:"+d);

}

}

public class task18{

public static void main(String[]args){

System.out.println("Enter your student ID");

int studentID= 24121018;

//Getting 2 rightmost digits of your student ID in reverse order

int lastTwoDigits= studentID%100;

System.out.println("The lastTwoDigits are:"+ lastTwoDigits);

//Reverse order

int digit1 = lastTwoDigits/10;

int digit2 = lastTwoDigits%10;

System.out.println("The reverse lastTwoDigits are:"+digit2+"" + digit1);

}

}

public class task19{

public static void main(String[]args){

System.out.println("Enter a value");

int a=8;

System.out.println("Enter another value");

int b=3;

//Finding the area of the Hexagon

double area =(3\*Math.sqrt(3)/2)\*Math.pow(a,2);

//Finding the circumference of the Hexagon

double circumference =6\*a;

System.out.println("The area of the Hexagon is:"+area);

System.out.println("The circumference of the Hexagon is:"+circumference);

}

}

public class task20{

public static void main(String[]args){

System.out.println("Enter a value");

ddouble a=4.5;

System.out.println("Enter another value");

double b=9.5;

//Getting the value of c

double c= Math.sqrt(a\*a+b\*b);

//The values for all 3 sides to calculate both sin and cos

double sin(A) =a/c;

double cos(A) =b/c;

double sin(B) =b/c;

double cos(B) =a/c;

//Getting the results

System.out.println("The result of sinA is:" + sinA);

System.out.println("The result of cosA is:" + cosA);

System.out.println("The result of sinB is:" + sinB);

System.out.println("The result of cosB is:" + cosB);

}

}