Day-1

1. Welcome to Bridgelabz!

public class prob1{

public static void main(String[] args) {

System.out.println("Welcome to Bridgelabz!");

}

}

1. Add Two Numbers

import java.util.Scanner;

public class prob2{

public static void main(String[] args){

Scanner scanner=new Scanner(System.in);

System.out.print("Enter first number: ");

int num1=scanner.nextInt();

System.out.print("Enter second number: ");

int num2=scanner.nextInt();

int sum=num1+num2;

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

scanner.close();

}

}

1. Celsius to Fahrenheit Conversion

import java.util.Scanner;

public class prob3{

public static void main(String[] args){

Scanner scanner=new Scanner(System.in);

System.out.print("Enter temp in celsius: ");

double celsius=scanner.nextDouble();

double fahrenheit=(celsius\*9/5)+32;

System.out.println("Temperature in fahrenheit: "+fahrenheit);

scanner.close();

}

}

1. Area of a Circle

import java.util.Scanner;

public class prob4{

public static void main(String[] args){

Scanner scanner=new Scanner(System.in);

System.out.print("Enter the radiius of the circle: ");

double radius=scanner.nextDouble();

double area=Math.PI\*Math.pow(radius,2);

System.out.println("Area of the circle: "+area);

scanner.close();

}

}

1. Volume of a Cylinder

import java.util.Scanner;

public class prob5{

public static void main(String[] args){

Scanner scanner=new Scanner(System.in);

System.out.print("Enter the radius of the cyl: ");

double radius=scanner.nextDouble();

System.out.print("Enter the height of the cyl: ");

double height=scanner.nextDouble();

double volume=Math.PI\*Math.pow(radius,2)\*height;

System.out.println("Volume of the cyl: "+volume);

scanner.close();

}

}

1. Calculate Simple Interest

import java.util.Scanner;

public class prob6{

public static void main(String[] args){

Scanner scanner=new Scanner(System.in);

System.out.print("Enter principal amt: ");

double principal=scanner.nextDouble();

System.out.print("Enter rate: ");

double rate=scanner.nextDouble();

System.out.print("Enter time: ");

double time=scanner.nextDouble();

double SI=(principal\*rate\*time)/100;

System.out.println("The Simple Interest is: "+SI);

scanner.close();

}

}

1. Perimeter of a Rectangle

import java.util.Scanner;

public class prob7{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.print("Enter the length: ");

double length=sc.nextDouble();

System.out.print("Enter the width: ");

double width=sc.nextDouble();

double peri=2\*(length+width);

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

sc.close();

}

}

1. Power Calculation

import java.util.Scanner;

public class prob8{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.print("Enter the base: ");

double base=sc.nextDouble();

System.out.print("Enter the exponent: ");

double exp=sc.nextDouble();

double ans=Math.pow(base,exp);

System.out.println("The calculation result is: "+ans);

sc.close();

}

}

1. Calculate Average of Three Numbers

import java.util.Scanner;

public class prob9{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.print("Enter the first num: ");

double first=sc.nextDouble();

System.out.print("Enter the second num: ");

double second=sc.nextDouble();

System.out.print("Enter the third num: ");

double third=sc.nextDouble();

double avg= (first+second+third)/3;

System.out.println("The average of three numbers is: "+avg);

sc.close();

}

}

1. Convert Kilometers to Miles

import java.util.Scanner;

public class prob10{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.print("Enter the distance in km: ");

double dist=sc.nextDouble();

double distm= dist\*0.621371;

System.out.println("The distance in miles: "+distm);

sc.close();

}

}