Problem Statement 1: Welcome to Bridgelabz

public class Welcome {

public static void main(String[] args) {

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

}

}

Problem Statement 2: Add Two Numbers

import java.util.Scanner;

public class AddTwoNumbers {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

int num1 = scanner.nextInt();

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

int num2 = scanner.nextInt();

int sum = num1 + num2;

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

}

}

Problem Statement 3: Celsius to Fahrenheit Conversion

import java.util.Scanner;

public class CelsiusToFahrenheit {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter temperature in Celsius: ");

double celsius = scanner.nextDouble();

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

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

}

}

Problem Statement 4: Area of a Circle

import java.util.Scanner;

public class CircleArea {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

double radius = scanner.nextDouble();

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

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

}

}

Problem Statement 5: Volume of a Cylinder

import java.util.Scanner;

public class CylinderVolume {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

double radius = scanner.nextDouble();

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

double height = scanner.nextDouble();

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

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

}

}

Problem Statement 6: Calculate Simple Interest

import java.util.Scanner;

public class SimpleInterest {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter Principal amount: ");

double principal = scanner.nextDouble();

System.out.print("Enter Rate of interest: ");

double rate = scanner.nextDouble();

System.out.print("Enter Time (in years): ");

double time = scanner.nextDouble();

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

System.out.println("Simple Interest: " + simpleInterest);

}

}

Problem Statement 7: Perimeter of a Rectangle

import java.util.Scanner;

public class RectanglePerimeter {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

double length = scanner.nextDouble();

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

double width = scanner.nextDouble();

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

System.out.println("Perimeter of the rectangle: " + perimeter);

}

}

Problem Statement 8: Power Calculation

import java.util.Scanner;

public class PowerCalculation {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

double base = scanner.nextDouble();

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

double exponent = scanner.nextDouble();

double result = Math.pow(base, exponent);

System.out.println("Result: " + result);

}

}

Problem Statement 9: Calculate Average of Three Numbers

import java.util.Scanner;

public class AverageOfThreeNumbers {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

double num1 = scanner.nextDouble();

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

double num2 = scanner.nextDouble();

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

double num3 = scanner.nextDouble();

double average = (num1 + num2 + num3) / 3;

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

}

}

Problem Statement 10: Convert Kilometers to Miles

import java.util.Scanner;

public class KilometersToMiles {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

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

double kilometers = scanner.nextDouble();

double miles = kilometers \* 0.621371;

System.out.println("Distance in miles: " + miles);

}

}