1. HELLO AND PRIME PRINTER

import java.util.\*;

public class HelloWorldName {

public static void main(String[] args) {

Scanner s=new Scanner(System.in);

String st=s.next();

System.out.println("Hello");

System.out.println(st);

}

}

1. VALUE PERFORMANCE 1

import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

public class Solution {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int myInt = scanner.nextInt();

double myDouble = scanner.nextDouble();

scanner.close();

System.out.println(myInt);

System.out.println(String.format("%.2f", myDouble));

}

}

1. EXECUTE THE WORD WITH A STATEMENT

import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

public class Solution {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

String input = scanner.nextLine();

String firstWord = input.split(" ")[0];

System.out.println("May I know how to learn " + firstWord + "!!!...");

scanner.close();

}

}

1. EXECUTE THE STRING STATEMENT 1

import java.util.Scanner;

public class string\_statement {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

try {

String statement = scanner.nextLine();

if (!statement.isEmpty()) {

System.out.println("Hai " + statement + "! Welcome to Programming Language...");

} else {

System.out.println("No statement was entered.");

}

} catch (Exception e) {

System.out.println("An error occurred: " + e.getMessage());

} finally {

scanner.close();

}

}

}

1. MATH FUNCTIONS 1

import java.util.Scanner;

public class math\_calculations {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

try {

double floatValue = scanner.nextDouble();

int squareRootValue = scanner.nextInt();

int baseValue = scanner.nextInt();

int powerValue = scanner.nextInt();

long floorResult = (long) Math.floor(floatValue);

long ceilResult = (long) Math.ceil(floatValue);

long sqrtResult = (long) Math.sqrt(squareRootValue);

long powResult = (long) Math.pow(baseValue, powerValue);

System.out.println(floorResult);

System.out.println(ceilResult);

System.out.println(sqrtResult);

System.out.println(powResult);

} catch (java.util.InputMismatchException e) {

System.out.println("Invalid input. Please make sure to enter the correct data type.");

} finally {

scanner.close();

}

}

}

1. THREE IDIOTS 2

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int x1 = scanner.nextInt();

int y1 = scanner.nextInt();

int x2 = scanner.nextInt();

int y2 = scanner.nextInt();

// The midpoint formula is M = ((x1 + x2) / 2, (y1 + y2) / 2)

double midpointX = (double) (x1 + x2) / 2.0;

double midpointY = (double) (y1 + y2) / 2.0;

System.out.printf("Binoy's house is located at (%.1f,%.1f)", midpointX, midpointY);

scanner.close();

}

}

1. PROFIT CALCULATOR 1

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int x = scanner.nextInt();

int a = scanner.nextInt();

int b = scanner.nextInt();

double profit = (x \* a) - ((x \* b) + 100);

System.out.println("Number of copies sold:" + x);

System.out.println("Cost of each copy:" + a);

System.out.println("Cost spent by agency on each newspaper:" + b);

System.out.printf("The profit obtained is Rs.%.2f\n", profit);

scanner.close();

}

}

1. ALICE IN WONDERLAND 6

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int number = scanner.nextInt();

int firstDigit = number / 10;

int secondDigit = number % 10;

int sumOfDigits = firstDigit + secondDigit;

System.out.println("Bird said:" + number);

System.out.println("Alice must go in path-" + sumOfDigits);

scanner.close();

}

}

1. AREA AND PERIMETER OF TRIANGLE.1

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

double base = scanner.nextDouble();

double height = scanner.nextDouble();

double side1 = scanner.nextDouble();

double side2 = scanner.nextDouble();

double side3 = scanner.nextDouble();

double area = 0.5 \* base \* height;

double perimeter = side1 + side2 + side3;

System.out.printf("Area of Triangle is %.2f\n", area);

System.out.printf("Perimeter of Triangle is %.2f\n", perimeter);

scanner.close();

}

}

1. FLOAT FORMATION 1

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

float inputFloat = scanner.nextFloat();

System.out.printf("%f\n", inputFloat);

System.out.printf("%.4f\n", inputFloat);

System.out.printf("%.2f\n", inputFloat);

System.out.printf("%.0f\n", inputFloat);

scanner.close();

}

}