**Odd Or Even**

import java.util.Scanner;

class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

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

int num = sc.nextInt();

if (num > 0) {

System.out.println("Positive");

if (num % 2 == 0) {

System.out.println("Even");

} else {

System.out.println("Odd");

}

} else if (num < 0) {

System.out.println("Negative");

} else {

System.out.println("Zero");

**Hello And Name Printer**

import java.util.Scanner;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String name = sc.nextLine(); // read the name

System.out.println("Hello");

System.out.println(name);

}

}

**Value Perfomance 1**

import java.util.Scanner;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int intNum = sc.nextInt();

double floatNum = sc.nextDouble();

System.out.println(intNum);

System.out.printf("%.2f%n", floatNum); // prints with 2 decimals + newline

}

}

**Execute the word with a Statement**

import java.util.Scanner;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String input = sc.nextLine(); // Read full line

String firstWord = input.split(" ")[0]; // Take only first word

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

}}**Execute the String Statement 1**

import java.util.Scanner;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String name = sc.nextLine(); // Read full string including spaces

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

}

**Math Functions 1**

import java.util.Scanner;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

double val = sc.nextDouble(); // float value

int sq = sc.nextInt(); // number for sqrt

int base = sc.nextInt(); // base value

int power = sc.nextInt(); // power value

// Math functions

System.out.println((int)Math.floor(val)); // Floor

System.out.println((int)Math.ceil(val)); // Ceil

System.out.println((int)Math.sqrt(sq)); // Sqrt

System.out.println((int)Math.pow(base, power)); // Pow

}

}

**Float Formation 1**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

float num = sc.nextFloat();

// Default float precision

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

// 4 decimal places

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

// 2 decimal places

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

// Rounded integer

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

}

}

**THREE IDIOTS 2**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int x1 = sc.nextInt();

int y1 = sc.nextInt();

int x2 = sc.nextInt();

int y2 = sc.nextInt();

// midpoint formula

double midX = (x1 + x2) / 2.0;

double midY = (y1 + y2) / 2.0;

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

}

}

**Salary Computation 3**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int basic = sc.nextInt();

double hra, da, gross;

if (basic < 15000) {

hra = 0.15 \* basic;

da = 0.90 \* basic;

} else {

hra = 5000;

da = 0.98 \* basic;

}

gross = basic + hra + da;

System.out.printf("%.2f", gross);

}

}

**Eligible for Placement 1**

import java.util.Scanner;

public class Main {

// Method to check eligibility

public static void checkEligibility(String name, int arrears, int cgpa) {

System.out.println("Name of the Student:" + name);

if ((arrears == 1 && cgpa > 70) || (arrears == 1 || arrears == 2) && cgpa > 75) {

System.out.println(name + " is Eligible for Placement");

} else {

System.out.println(name + " is Not Eligible for Placement");

}

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String name = sc.nextLine();

int arrears = sc.nextInt();

int cgpa = sc.nextInt();

sc.close();

checkEligibility(name, arrears, cgpa);

}

}

**Account Balance 3**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

// Input initial account balance

int balance = sc.nextInt();

// Input the process to be carried out

int process = sc.nextInt();

switch (process) {

case 1: // Deposit

int depositAmount = sc.nextInt();

balance += depositAmount;

System.out.println(balance);

break;

case 2: // Withdraw

int withdrawAmount = sc.nextInt();

if (withdrawAmount > balance) {

System.out.println("Insufficient Balance");

} else {

balance -= withdrawAmount;

System.out.println(balance);

}

break;

default: // Invalid input

System.out.println("Invalid Input");

break;

}

sc.close();

}

}

**Vowels or Consonants 1**

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

// Read input character

char ch = sc.next().charAt(0);

sc.close();

// Check if the input is an alphabet

if (!Character.isLetter(ch)) {

System.out.println("Invalid Input");

} else {

// Convert to lowercase for easier comparison

char lowerCh = Character.toLowerCase(ch);

// Check for vowels

if (lowerCh == 'a' || lowerCh == 'e' || lowerCh == 'i' || lowerCh == 'o' || lowerCh == 'u') {

System.out.println("The Character " + ch + " is Vowel");

} else {

System.out.println("The Character " + ch + " is Consonant");

}

}

}

}