[01]

import java.util.Scanner;

public class GreaterNumber {

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();

if (num1 > num2) {

System.out.println("Sum of the numbers: " + (num1 + num2));

} else {

System.out.println("First number is not greater than the second number. Numbers are: " + num1 + ", " + num2);

}

}

}

[2]

import java.util.Scanner;

public class AbsoluteNumber {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter an integer number: ");

int number = scanner.nextInt();

int absoluteValue = (number < 0) ? -number : number;

System.out.println("Absolute value of " + number + " is: " + absoluteValue);

}

}

[3]

import java.util.Scanner;

public class StudentMarks {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter marks for Chemistry: ");

int chemistry = scanner.nextInt();

System.out.print("Enter marks for Physics: ");

int physics = scanner.nextInt();

System.out.print("Enter marks for Combined Math: ");

int math = scanner.nextInt();

int totalMarks = chemistry + physics + math;

double average = totalMarks / 3.0;

System.out.println("Total Marks: " + totalMarks);

System.out.println("Average Marks: " + average);

if (average > 75) {

System.out.println("Pass");

} else {

System.out.println("Fail");

}

}

}

[4]

import java.util.Scanner;

public class SuperDraw {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter unit price: ");

double unitPrice = scanner.nextDouble();

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

int quantity = scanner.nextInt();

double total = unitPrice \* quantity;

if (total > 1500) {

System.out.println("You are entitled to the super draw.");

} else {

System.out.println("Try again.");

}

}

}

[5]

import java.util.Scanner;

public class Discount {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter unit price: ");

double unitPrice = scanner.nextDouble();

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

int quantity = scanner.nextInt();

double total = unitPrice \* quantity;

if (total > 500) {

double discount = 0.05 \* total;

double discountedTotal = total - discount;

System.out.println("Discount: Rs. " + discount);

System.out.println("New total after discount: Rs. " + discountedTotal);

} else {

System.out.println("No discount given.");

}

}

}

[06]

import java.util.Scanner;

public class LeapYear {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a year: ");

int year = scanner.nextInt();

if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0)) {

System.out.println(year + " is a leap year.");

} else {

System.out.println(year + " is not a leap year.");

}

}

}

[7]

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 \* radius \* radius;

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

}

}

[08]

import java.util.Scanner;

public class ATMWithdrawal {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Assuming current balance and daily limit

double currentBalance = 10000; // Example: Rs. 10,000

double dailyLimit = 5000; // Example: Rs. 5,000

System.out.print("Enter the amount to withdraw: ");

double withdrawalAmount = scanner.nextDouble();

if (withdrawalAmount > currentBalance) {

System.out.println("Withdrawal amount exceeds current balance. Withdrawal refused.");

} else if (withdrawalAmount > dailyLimit) {

System.out.println("Withdrawal amount exceeds daily limit. Withdrawal refused.");

} else {

if (currentBalance < 5000) {

double charge = 0.02 \* withdrawalAmount;

currentBalance -= (withdrawalAmount + charge);

System.out.println("Withdrawal successful. Charge applied: Rs. " + charge);

} else {

currentBalance -= withdrawalAmount;

System.out.println("Withdrawal successful. No charge applied.");

}

System.out.println("Current balance: Rs. " + currentBalance);

}

}

}

[9]

import java.util.Scanner;

public class MaxOfThree {

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();

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

int num3 = scanner.nextInt();

int max = num1;

if (num2 > max) {

max = num2;

}

if (num3 > max) {

max = num3;

}

System.out.println("Maximum number is: " + max);

}

}

[10]

import java.util.Scanner;

public class OddEven {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter an integer number: ");

int number = scanner.nextInt();

if (number % 2 == 0) {

System.out.println(number + " is even.");

} else {

System.out.println(number + " is odd.");

}

}

}

[12] A

[13]

A. 9

B. false

C. true

D. false

E. true

[14]

A. true

B. true

C. true

D. false

E. true

F. false

G. true

[15] 100

[18 ] E [19] C

[20]

[21]

[22] D

[23] H

[24] D

[25] E

[26] D

[27] E