1. Positive or Negative:

Write a program that takes an integer input from the user and prints whether the number is positive, negative, or zero. 👍🏽

2. Grading System:

Create a program that takes a student's score and prints their corresponding grade based on the following criteria:

90 or above: A

80-89: B

70-79: C

60-69: D

Below 60: F 👍🏽

public class practice {  
 public static void main(String[] args) {  
  
 int score = 50;  
  
 if (score >= 90) {  
 System.*out*.println("The student's grade is A");  
 } else if (score >= 80 && score <= 89) {  
 System.*out*.println("The student's grade is B");  
 } else if (score >= 70 && score <= 79) {  
 System.*out*.println("The student's grade is C");  
 } else if (score >= 60 && score <= 69) {  
 System.*out*.println("The student's grade is D");  
 } else {  
 System.*out*.println("The student's grade is F");  
 System.*out*.println("Call Your parents");  
 }  
 }  
}

3. Leap Year:

Write a program that checks if a given year is a leap year or not. A leap year is divisible by 4 but not divisible by 100 unless it is divisible by 400.

import java.util.Scanner;  
public class practice {  
 public static void main(String[] args) {  
 Scanner scanner= new Scanner(System.*in*);  
  
 System.*out*.println("enter a year");  
 double year=scanner.nextDouble();  
 scanner.nextLine();  
  
 if (year%100==0 && year%400==0){  
 System.*out*.println("leap year");  
 }  
 else if(year %4==0){  
 System.*out*.println("leap year");  
 }  
 else{  
 System.*out*.println("not a leap year");  
 }  
  
 }  
}

4. Discount Calculator:

Create a program that takes the total purchase amount from the user and applies a discount based on the following conditions:

- If the purchase amount is greater than $1000, apply a 10% discount.

- If the purchase amount is between $500 and $1000 (inclusive), apply a 5% discount.

- If the purchase amount is less than $500, no discount is applied.

5. Age Classifier:

Write a program that takes a person's age as input and prints whether they are an infant, child, teenager, adult, or senior based on the following criteria:

- 0-1: Infant

- 2-12: Child

- 13-19: Teenager

- 20-64: Adult

- 65 and above: Senior

(take age as 50)

OTHER QUESTIONS IN GENERAL

1. Hello, World!:

Write a program that prints "Hello, World!" to the console.

2. Sum of Two Numbers:

Write a program that takes two integers as input and prints their sum.

3. Circle Area and Circumference:

Write a program that takes the radius of a circle as input and calculates its area and circumference. Print the results. 👍🏽

4. Celsius to Fahrenheit Converter:

Write a program that takes a temperature in Celsius as input and converts it to Fahrenheit using the formula: Fahrenheit = (Celsius \* 9/5) + 32. 👍🏽

5. Even or Odd:

Write a program that takes an integer as input and determines whether it is even or odd. Print the result. 👍🏽

7. Rectangle Area and Perimeter:

Write a program that takes the length and width of a rectangle as input and calculates its area and perimeter. Print the results.

8. Swap Two Numbers:

Write a program that takes two integers as input and swaps their values. Print the swapped values. 👍🏽

9. Multiplication Table:

Write a program that takes an integer as input and prints its multiplication table up to 10.

10. WAP to enter the Daily wadge of workers, no. of days A worker worked in a month, calculate the total wadge.

11. WAP to enter the marks of 5 subjects of a student (Say English, Hindi, Maths, Science, Social Science) and calculate the average cgpa . Marks are given in 100. Also display the percentage.

12. Write a Program to take input of a product name[pdname], product code[pdcode], quantity[qty] and price per product[pdprice]. And display the total. Example output:

Product name: milk , Product code: mil , price per product: 50 , quantity: 5

Total: 250

13. Write a program to take input a integer and find the last and 2nd last digit.

//Write a java program that asks the user for cost price, selling price,  
// and tell if the user had profit or loss , also by how much  
  
  
import java.util.Scanner;  
public class practice {  
 public static void main(String[] args) {  
 Scanner scanner= new Scanner(System.*in*);  
  
 System.*out*.println("give the cost price");  
 double cp = scanner.nextDouble();  
 scanner.nextLine();  
  
 System.*out*.println("give the sell price");  
 double sp = scanner.nextDouble();  
 scanner.nextLine();  
  
 double cs = sp-cp;  
  
 if(cs<0) {  
 System.*out*.println("loss");  
 System.*out*.println("loss of " + Math.*abs*(cs) + " rupees");  
 }  
 else if (cs>=0){  
 System.*out*.println("profit");  
 System.*out*.println("profit of " + cs + " rupees");  
  
 }  
   
 }  
}