1. Write a program to give a discount of 10% if the total bill amount exceeds 1000.
2. A shopping mall giving discount offer if you will purchase mobile with powerbank you will get 25% discount otherwise for mobile only 5% discount. using all the cases
3. calculate the customer's total balance amount from the following condition:

If balance amount is between 5000 to 10000:Interest(10%)

balance amount is between 4000 to 5000:Interest(8%)

balance amount is between 3000 to 4000:Interest(7%)

balance amount is between 2000 to 3000:Interest(5%)

Note:-Interest will be added with balance amount

4. Problem Description:

A bank is developing a loan eligibility system. To determine if a customer is eligible for a loan, the system needs to consider the following criteria:

Credit Score: Must be above 650.

Income: Must be greater than or equal to $30,000 annually.

Debt-to-Income Ratio: Must be less than 0.4.

Task:

Write a C++ program that takes a customer's credit score, annual income, and debt-to-income ratio as input. Determine if the customer is eligible for a loan based on the given criteria. If eligible, print "Loan Approved". Otherwise, print "Loan Denied".

Input Format:

Three numerical values separated by spaces: credit score, annual income, and debt-to-income ratio.

Output Format:

A single line stating "Loan Approved" or "Loan Denied".

Example Input:

700 40000 0.3

5. Write a program to enter the numbers till the user enter ZERO and at the end it should display the count of all the numbers.

6. A customer wants to purchase a new car for that he visited three car showrooms for three different brands. MarutiCar, FordCar and HundaiCar. According to price range he is getting offer also in these brands. But customer having the budget only 7 lacs Rs. Which car you suggest after finding offers in:

Vehicle Price Range Offer

MarutiCar 4 lacs-6 lacs 12%

FordCar 6 lacs-7 lacs 13%

HundaiCar 7 lacs-8 lacs 14%

1. Write a program to check if a given year is leap year or not.

Logic:

if a year is not divisible by 4, its not a leap year.

If a year is divisible by 4 and not divisible by 100, it’s a leap year.

If a year is divisible by 4 and 100 then it should be divisible by 400

to be a leap year

1. Calculate the multiplication and sum of two numbers

Given two integer numbers, print their product only if the product is equal to or lower than 1000. Otherwise, print their sum.

Given 1:

number1 = 20

number2 = 30

Expected Output:

The result is 600

Given 2:

number1 = 40

number2 = 30

Expected Output:

The result is 70

1. Write a program that takes a score (0-100) as input and assigns a grade based on the following criteria:

• A: 90-100

• B: 80-89

• C: 70-79

• D: 60-69

• F: 0-59

1. Generate electricity bill from the following conditions:

Condition 1. If meter reading is more then 100 charagble amount will be 6.95 Rs per unit.

Condition 2. If meter reading is less then 100 charagble amount will be 5.95 Rs per unit.