



List of if-else Programs:

- Write a program to find the largest of three numbers.
- Write a program to accept a coordinate point in a XY coordinate system and determine in which quadrant the coordinate point lies.
- Write a program to read temperature in centigrade and display a suitable message according to temperature state below:

Temp < 0 then Freezing weather
Temp 0-10 then Very Cold weather
Temp 10-20 then Cold weather
Temp 20-30 then Normal in Temp
Temp 30-40 then Its Hot
Temp >=40 then Its Very Hot

- Write a program to check whether a triangle is Equilateral, Isosceles or Scalene
- Write a program to check whether a character is an alphabet, digit or special character.
- Write a program to check whether an alphabet is a vowel or consonant.
- Write a program to input all sides of a triangle and check whether triangle is valid or not.
- Write a program to input basic salary of an employee and calculate its Gross salary according to following:

Basic Salary <= 10000: HRA = 20%, DA = 80%
Basic Salary <= 20000: HRA = 25%, DA = 90%
Basic Salary > 20000: HRA = 30%, DA = 95%



- Write a program to input electricity unit charges and calculate total electricity bill according to the given condition:

For first 50 units Rs. 0.50/unit

For next 100 units Rs. 0.75/unit

For next 100 units Rs. 1.20/unit

For unit above 250 Rs. 1.50/unit

An additional surcharge of 20% is added to the bill

- Write a program to find and display the product of three positive integer values based on the rule mentioned below:

It should display the product of the three values except when one of the integer values is 7. In that case, 7 should not be included in the product and the values to its left also should not be included.

If there is only one value to be considered, display that value itself. If no values can be included in the product, display -1.

Note: Assume that if 7 is one of the positive integer values, then it will occur only once. Refer the sample I/O given below.

Sample Input	Expected Output
1,5,3	15
3,7,8	8
7,4,3	12
1,5,7	-1



- You have x no. of 5-rupee coins and y no. of 1-rupee coins. You want to purchase an item for amount z. The shopkeeper wants you to provide exact change. You want to pay using minimum number of coins. How many 5-rupee coins and 1-rupee coins will you use? If exact change is not possible then display -1.

Sample Input			Expected Output	
Available Rs. 1 coin	Available Rs. 5 notes	Amount to be made	Rs. 1 coin needed	Rs. 5 notes needed
2	4	21	1	4
11	2	11	1	2
3	3	19	-1	



- Food Corner home delivers vegetarian and non-vegetarian combos to its customer based on order.

A vegetarian combo costs Rs.120 per plate and a non-vegetarian combo costs Rs.150 per plate. Their non-veg combo is really famous that they get more orders for their non-vegetarian combo than the vegetarian combo.

Apart from the cost per plate of food, customers are also charged for home delivery based on the distance in kms from the restaurant to the delivery point. The delivery charges are as mentioned below:

Distance in kms	Delivery charge in Rs per km
For first 3kms	0
For next 3kms	3
For the remaining	6

Given the type of food, quantity (no. of plates) and the distance in kms from the restaurant to the delivery point, write a python program to calculate the final bill amount to be paid by customer.

The below information must be used to check the validity of the data provided by the customer:

- Type of food must be 'V' for vegetarian and 'N' for non-vegetarian.
- Distance in kms must be greater than 0.
- Quantity ordered should be minimum 1.

If any of the input is invalid, the bill amount should be considered as -1.



- Write a program to solve a classic ancient Chinese puzzle.

We count 35 heads and 94 legs among the chickens and rabbits in a farm. How many rabbits and how many chickens do we have?

Sample Input	Expected Output
heads-150 legs-400	100 50
heads-3 legs-11	No solution
heads-3 legs-12	0 3
heads-5 legs-10	5 0