

List of `if...else` programming exercises

1. Write a python program to find maximum between two numbers.
2. Write a python program to find maximum between three numbers.
3. Write a python program to check whether a number is negative, positive or zero.
4. Write a python program to check whether a number is divisible by 5 and 11 or not.
5. Write a python program to check whether a number is even or odd.
6. Write a python program to check whether a year is leap year or not.
7. Write a python program to check whether a character is alphabet or not.
8. Write a python program to input any alphabet and check whether it is vowel or consonant.
9. Write a python program to input any character and check whether it is alphabet, digit or special character.
10. Write a python program to check whether a character is uppercase or lowercase alphabet.
11. Write a python program to input week number and print week day.
12. Write a python program to input month number and print number of days in that month.
13. Write a python program to count total number of notes in given amount.
14. Write a python program to input angles of a triangle and check whether triangle is valid or not.
15. Write a python program to input all sides of a triangle and check whether triangle is valid or not.

16. Write a python program to check whether the triangle is equilateral, isosceles or scalene triangle.

17. Write a python program to find all roots of a quadratic equation.

18. Write a python program to calculate profit or loss.

19. Write a python program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:

Percentage	>=	90%	:	Grade	A
Percentage	>=	80%	:	Grade	B
Percentage	>=	70%	:	Grade	C
Percentage	>=	60%	:	Grade	D
Percentage	>=	40%	:	Grade	E
Percentage < 40% : Grade F					

20. Write a python 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%									

21. Write a python 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