

Day 6

07/11/2025

⇒ Syntax of nested if Else.

if (Condition 1): ~~# outer if~~

    if (Condition 2): ~~# inner if~~

        Statement of inner if

    else: ~~# inner else~~

        Statement of inner else.

else: ~~# outer else~~

    Statement of ~~outer~~ else.

Program:-

⇒ Voting Eligibility Check?

age = int(input( ))

Country = "India"

if (Country == "India"):

    if (age >= 18):

        Print ("you are eligible for voting")

else:

    Print ("you are not eligible for voting Because your age is  
    not more than 17 years")

else:

    Print ("you are not eligible for voting Because your  
    Country was not valid")

### Program 8—

④ For +ve, -ve & zero (In nested if else)

a = int (input ())

if (a > 0):      # If Condition "a > 0"

  if (a == 0):      # If Condition "a == 0"

    Print ("Zero") # If Condition get satisfied Print "0"

  else:           # Else :- If Condition 2 not get satisfy (or)

    Print ("+ve") # If Condition 1 get satisfy Print "+ve"

else:

  Print ("-ve")      # Else that to Print "-ve" of Both

if Conditions are not get satisfy.

### Program 9—

⑤ Write a Program "triangle type checker" take 3 sides of a triangle as input and check it is equilateral, isosceles, scalene or not a triangle?

a = int (input ())

b = int (input ())

c = int (input ())

} # Inputs from user

if ((a+b>c) and (a+c>b) and (b+c>a)): # If Condition 1 is True

  if (a==b ==c):

    Print ("equilateral triangle")

    Equilateral Triangle  
    # of Condition 2

  elif (a==b or b==c or c==a): # Else Condition for "isosceles triangle"

    Print ("isosceles triangle")

else:

    Print ("scalene triangle")

    # else Condition that if & else Condition not get satisfied to Print "scalene triangle"

else:

    Print ("not a triangle") # Else for Invalid (or) not a triangle.