

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 :-

① 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 2 get satisfied Print "0"

else: Print("+ve") # Else :- If Condition 2 not get satisfy (or)

If Condition 1 get satisfy Print "+ve"

else: Print("-ve") # else that to Print "-ve" of Both if Conditions are not get satisfy.

② Program :-

③ 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 for Equilateral Triangle

if (a == b == c):

Print("Equilateral triangle")

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

Print("isosceles triangle")

else:

Print("not a triangle")

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

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