

16/9/2025

→ An online store offers discounts based on the purchase amount.

10% discount → purchase b/w \$100 and \$500

20% discount → purchase > \$500

No discount → purchase < \$100

Write a program that takes purchase amount as i/p and calculates discount and final amount to be paid.


```
PA = float(input("Enter purchase amount"))
```

```
if (PA >= 100 and PA <= 500):
```

```
    per dis = PA * 0.1
```

```
    total-amount = PA - dis
```

```
    print("total amount paid", total-amount, "$")
```

```
elif (PA > 500):
```

```
    dis = PA * 0.2
```

```
    total-amount = PA - dis
```

```
    print("total amount paid", total-amount, "$")
```

```
else:
```

```
    print("No discount")
```

```
    total-amount = PA
```

```
    print("total amount paid", total-amount, "$")
```

→ An electricity company charges its customers as follows.

first 100 units → \$ 0.5 per unit

next 100 - 200 → \$ 0.75 per unit

above 200 → \$ 1 per unit.

Write a program that accepts no. of units consumed and calculates total bill.

```
UC = int(input("Enter the units consumed"))
```

```
if (UC >= 0 and UC <= 100):
```

```
    bill = UC * 0.5
```

```
elif (UC >= 101 and UC <= 200):
```

```
    dif = UC - 100
```

```
    bill = (100 * 0.5) + (dif * 0.75)
```

```
elif (UC > 200):
```

```
    dif = UC - 200
```

```
    bill = (100 * 0.5) + (200 * 0.75) + (dif * 1)
```


else:
 print("Invalid")

print("The bill amount is: ", bill, "\$")

→ Write a program to find the given no is +ve, -ve, zero.

```
num = float(input("Enter a number"))
```

```
if (num > 0):
```

```
    print("+ve")
```

```
elif (num < 0):
```

```
    print("-ve")
```

```
else:
```

```
    print("zero")
```

Nested if else syntax:-

```
if (cond1):
```

Outer if

```
    if (cond2):
```

Inner if

```
        stat cond2 (inner if)
```

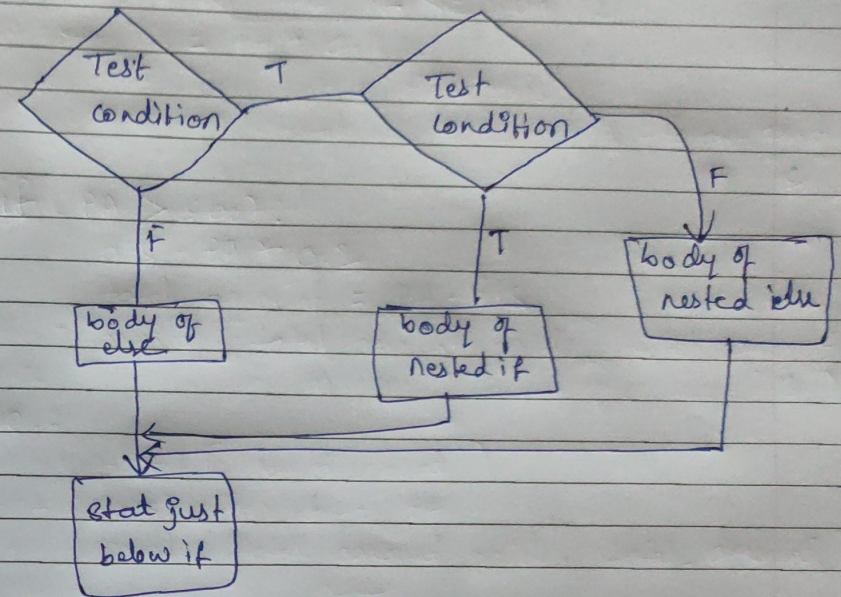
```
    else:
```

```
        stat. of inner if else
```

```
else:
```

```
    statements of outer if else
```

Flow chart :-



Write a program to find the given no is +ve, -ve, zero using nested if else.

```
num = float(input("Enter a number"))
```

```
if (num >= 0):
```

```
    print("num is +ve")
```

```
else:
```

```
    print("num is zero")
```

```
else:
```

```
    print("num is -ve")
```