

## Week 1:

### **Task 2:**

Calculate the final bill for a food order based on

- 1.order amount
- 2.customer type
- 3.delivery distance
- 4.payment method

rules:

1. bill $\geq$ 1000-apply 10%
  2. bill $\geq$ 500 apply 5%
  - 3.customer type-prime and order  $\geq$ 1000-add extra 5% discount
- delivery charge is based on distance:
- 4.distance $\leq$ 5km - 40 rs
  - 5.dist >5km-70rs
- payment method:
- 6.cod and bill is also <500-extra 25 rs

#### **Program (order\_bill\_generation.py):**

```
#get inputs
ord_amt=float(input('enter order amount:'))
cus_type=input('enter customer type(prime/normal):')
del_dist=float(input('enter delivery distance(in kms):'))
pay=input('enter payment method(cod/online):')

#calculate discount
bill=ord_amt
if ord_amt $\geq$ 1000:
    dis=ord_amt*0.10
```

```
bill=ord_amt-dis
print('total after discount:',bill)
elif ord_amt>=500 and ord_amt<1000:
    dis=ord_amt*0.05
    bill=ord_amt-dis
    print('total after discount:',bill)

#calculate customer type
if cus_type=='prime' and ord_amt>=1000:
    bill=bill-bill*0.05
    print('total after type:', bill)

#calculate delivery charge
if del_dist>0 and del_dist<=5:
    bill=bill+40
    print('total after delivery charges:', bill)
elif del_dist>5:
    bill=bill+70
    print('total after delivery charges:', bill)

#calculate payment method
if pay=='cod' and ord_amt<500:
    bill=bill+25
    print('total after payment method:',bill)
print('*****')
print('total bill amount is ',bill)
print('*****')
```

## Output:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python Debug Console + - [] [X] ... | [ ] [X] X
● PS D:\placement_practices\python_training> & 'C:\Users\Nivetha B\AppData\Local\Python\pythoncore-3
.14-64\python.exe' 'c:\Users\Nivetha B\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bun
dled\libs\debugpy\launcher' '50596' '--' 'D:\placement_practices\python_training\order_bill_generat
ion.py'
enter order amount:1000
enter customer type(prime/normal):prime
enter delivery distance(in kms):5
enter payment method(cod/online):cod
total after discount: 900.0
total after type: 855.0
total after delivery charges: 895.0
*****
total bill amount is 895.0
*****
● PS D:\placement_practices\python_training> d:; cd 'd:\placement_practices\python_training'; & 'C:\
Users\Nivetha B\AppData\Local\Python\pythoncore-3.14-64\python.exe' 'c:\Users\Nivetha B\.vscode\ext
ensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '49684' '--' 'D:\place
ment_practices\python_training\order_bill_generation.py'
enter order amount:1500
enter customer type(prime/normal):normal
enter delivery distance(in kms):15
enter payment method(cod/online):online
total after discount: 1350.0
total after delivery charges: 1420.0
*****
total bill amount is 1420.0
*****
○ PS D:\placement_practices\python_training> [
```