

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: