Week 2:

Task 4:

Calculate the final bill for a food using class order based on

       1.order amount

       2.customer type

       3.delivery distance

       4.payment method

rules:

1. bill>=1000-apply 10%
2. bill>=500 apply 5%
3. customer type-prime and order >=1000-add extra 5% discount

   delivery charge is based on distance:

4. distance<=5km - 40 rs
5. dist >5km-70rs

   payment method:

6. cod and bill is also <500-extra 25 rs

Program (discount_bill_with_class.py):

```
#define a class named Test
class Test:
   def __init__(self,message):
     self.amount=[]
       self.total=0


   #method to calculate discount
   def cal_disc(self):
     #local variable--> discount_price
     discount_price=[]
     for i in self.amount:
```

```python
            print('amount in discount price', i)
            if i>500:
                discount_price.append(i*0.10)
            else:
                discount_price.append(0)
        return discount_price


    #method to get input from the user
    def  set_user_input(self):
        for i in range(3):
            self.amount.append(float(input('enter the amount:')))


    #method to calculate final amount
    def get_final_amount(self):
        disc_price=self.cal_disc()
        print('CALCULATED DISCOUNT PRICE: ',disc_price)
        for i,j in enumerate (self.amount):
            self.total+=(j-disc_price[i])
        return self.total

#creation of object to access class methods
test_obj=Test("WELCOME")
test_obj.set_user_input()
final_bill=test_obj.get_final_amount()
print('the final amount is:', final_bill)
```

Output:


```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS                    Python Debug Console   + ∨   []   🗑   …   [] ×

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\bundled\libs\debugpy\launcher' '56969'
'--' 'D:\placement_practices\python_training\discount_bill_with_class.py'
enter the amount:1000
enter the amount:2000
enter the amount:3000
amount in discount price 1000.0
amount in discount price 2000.0
amount in discount price 3000.0
CALCULATED DISCOUNT PRICE:  [100.0, 200.0, 300.0]
the final amount is: 5400.0
PS D:\placement_practices\python_training> []
```