

Group memebbers:

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Batch -B1

```
import csv

f1=open("/content/drive/MyDrive/Sales assignment 2.csv","r")

d1=list(csv.reader(f1,delimiter=","))

j=len(d1)

productdetails=[]

customerdetails=[]

supplier=[]

for i in range(1,j):

    productdetails.append(d1[i][1])

    customerdetails.append(d1[i][3])

    supplier.append(d1[i][2])

customerdetails=tuple(customerdetails)

store=dict(zip(supplier,productdetails))

popularproduct=[]

bestsupplier=[]
```

```
wealthycustomer=[]
for i in range(j-1):
    a=0
    b=0
    c=0
    for z in range(j-1):
        if(productdetails[z]==productdetails[i]):
            a+=1
        if(supplier[z]==supplier[i]):
            b+=1
        if(customerdetails[z]==customerdetails[i]):
            c+=1
    popularproduct.append(a)
    bestsupplier.append(b)
    wealthycustomer.append(c)
print("\n")
print("customer details are")
print(customerdetails)

print("\n")
```

```
print("name of the products")
print(productdetails)
print("\n")
print("Best seller is",supplier[bestsupplier.index(max(bestsupplier))])
print("\n")
print("Popular Product",productdetails[popularproduct.index(max(popularproduct))])
print("\n")
m=0
for i in range(j-1):
    if(d1[i][4]=="Female"):
        m+=1
print("No. of female customers are",m)
print("\n")
buyer=[]
print("The customer who buys most product is")
for i in range(j-1):
    if(max(wealthycustomer)==wealthycustomer[i]):
        buyer.append(customerdetails[i])
buyer=set(buyer)
l=len(buyer)
```

```
print(buyer)
```

OUTPUT:

customer details are

```
('Kaustubh Mahajan', 'Siddhi Kiwale', 'Sanket Kandalkar', 'Yash Mali', 'Yash Bagul', 'Siddhi Kiwale', 'Sanket Kandalkar',  
'Kaustubh Mahajan', 'Yash Mali', 'Siddhi Kiwale', 'Sanket Kandalkar', 'Kaustubh Mahajan', 'Yash Mali', 'Siddhi Kiwale', 'Tanuja  
Mali', 'Kaustubh Mahajan', 'Sanket Kandalkar', 'Siddhi Kiwale', 'Kaustubh Mahajan', 'Yash Mali')
```

name of the products

```
['Lenovo Laptop', 'Samsung M31', 'Realmi 10pro', 'Oppo F21', 'Lenovo Laptop', 'Samsung M31', 'LG TV 32"', 'Oppo F21',  
'Lenovo Laptop', 'Samsung M31', 'LG TV 32"', 'Lenovo Laptop', 'Samsung M31', 'Realmi 10pro', 'Lenovo Laptop', 'Oppo F21', 'LG  
TV 32"', 'Lenovo Laptop', 'Samsung M31', 'LG TV 32"']
```

Best seller is Raka Ele.

Popular Product Lenovo Laptop

No. of female customers are 6

The customer who buys most product is
{ 'Siddhi Kiwale', 'Kaustubh Mahajan' }