

EDSAssignment2

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```
import
csvf1=open("/content/drive/MyDrive/Sales_assingment2.csv","r")d1=list
(csv.reader(f1,delimiter=",")) j=len(d1)
productdetails=[]customerdetails=[]supplier=[]foriinrange(1,j):
    productdetails.append(d1[i][1])customer
details.append(d1[i][3])supplier.append(d1
[i][2])customerdetails=tuple(customerdetail
s)store=dict(zip(supplier,productdetails))po
pularproduct=[]
bestsupplier=[]wealthycustomer=[]
foriinrange(j-1): a=0 b=0 c=0
    forz 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)bests
upplier.append(b)wealthycustom
er.append(c)print("\n")
print("customer
detailsare")print(customerdetails)

print("\n") print("name of
theproducts")print(productdeta
ils)
print("\n")print("Bestselleris",s
upplier[bestsupplier.index(max(
bestsupplier))])print("\n")
print("PopularProduct",productdetails[popularproduct.index(max(popularproduct))
])print("\n")
m=0
foriinrange(j-1):    if(d1[i][4]=="female"):

```

```

m+=1 print("No. of female customers
are",m)print("\n")buyer=[]print("Thecustomerwho
buysmost product is")for i in range(j-
1):if(max(wealthycustomer)==wealthycustomer[i]):
    buyer.append(customerdetails[i])buy
er=set(buyer) l=len(buyer)print(buyer)

```

OUTPUT:customerdetails

are

```

('Ram ', 'Sofia', 'Sanket Kandalkar', 'Yash Mali', 'Yash Bagul',
'Sofia', 'SanketKandalkar', 'Sam',
'YashMali', 'Sofia', 'SanketKandalkar', 'Sam',
'Yash Mali', 'Sofia', 'Tanuja Mali', 'Sam', 'Sanket Kandalkar',
'Sofia', 'Sam', 'YashMali')
    nameofthep
roducts
['Lenovo Laptop', 'Samsung M31', 'Realmi 10pro', 'Oppo F21',
'LenovoLaptop', 'SamsungM31', 'LGTv32"', 'OppoF21', 'LenovoLaptop', 'SamsungM31'
, 'LGTv32"', 'LenovoLaptop', 'SamsungM31', 'Realmi10pro', 'LenovoLaptop', 'Oppo
F21', 'LG TV 32"', 'Lenovo Laptop', 'Samsung M31', 'LG TV32"']

```

BestsellerisJp.

PopularProductLenovoLaptop

No.offemalecustomersare6

Thecustomerwhobuysmostproductis

```
{'Sofia','Sam'}
```