EDSAssignment2

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```
import

csvf1=open("/content/drive/MyDrive/Sales_assingnment2.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'}