EDSAssignment2

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```python
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
```

```python
        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"):
```

```python
        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: 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'}
```