EDS Assignment 2

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import csv

f1=open("/content/drive/MyDrive/Sales_assingnment2.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
```

```python
            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.inde

    x(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"):
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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

('Ram ', 'Sofia', 'Sanket Kandalkar', 'Yash Mali', 'Yash Bagul', 'Sofia',
'Sanket Kandalkar', 'Sam',
'Yash Mali', 'Sofia', 'Sanket Kandalkar', 'Sam',
'Yash Mali', 'Sofia', 'Tanuja Mali', 'Sam', 'Sanket Kandalkar', 'Sofia',
'Sam', '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 Jp .



Popular Product Lenovo Laptop



No. of femalecustomers are 6



The customer who buys most product is
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{'Sofia', 'Sam'}
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