EDS Assignment 2

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```python
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
```

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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"):
```

```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: 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'}
```