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=[]
```

```python
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
      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)
```

```python
print("\n")

print("Best seller
is",supplier[bestsupplier.index(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"):

        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
('Kaustubh Mahajan', 'Siddhi Kiwale', 'Sanket Kandalkar', 'Yash Mali', 'Yash Bagul', 'Siddhi Kiwale', 'Sanket Kandalkar', 'Kaustubh Mahajan', 'Yash Mali', 'Siddhi Kiwale', 'Sanket Kandalkar', 'Kaustubh Mahajan', 'Yash Mali', 'Siddhi Kiwale', 'Tanuja Mali', 'Kaustubh Mahajan', 'Sanket Kandalkar', 'Siddhi Kiwale', 'Kaustubh Mahajan', '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 Raka Ele.

Popular Product Lenovo Laptop

No. of female customers are 6

The customer who buys most product is
{'Siddhi Kiwale', 'Kaustubh Mahajan'}