EDS Assignment 2

Name : Pooja Pandharinath Jagtap

Roll No. :- 423

Div : D (D2)

PRN No. : 202201040058

```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'}