



```
1 import csv
2 f1=open("Sales.csv","r")
3 d1=list(csv.reader(f1,delimiter=";"))
4 j=len(d1)
5 productdetails=[]

customer details are
('Kautubh Mahajan', 'Siddhi Kivale', 'Sanket Kandalkar', 'Yash Mali', 'Yash Bagul', 'Siddhi Kivale', 'Sanket Kandalkar', 'Kautubh Mahajan', 'Yash Mali', 'Siddhi Kivale', 'Sanket Kandalkar', 'Kautu

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', 'Rea

Best supplier of this shop is Raka Ele.

the most popular product of this shop is Lenovo Laptop

No. of female customers are 6

The customer with the most bought items is
{'Kautubh Mahajan', 'Siddhi Kivale'}

Process finished with exit code 0
```

```
import csv

f1=open("Sales.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
    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 supplier of this shop is",supplier[bestsupplier.index(max(bestsupplier))])
print("\n")
print("the most popular product of this shop
is",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 with the most bought items is")
for i in range(j-1):
    if(max(wealthycustomer)==wealthycustomer[i]):
        buyer.append(customerdetails[i])
buyer=set(buyer)
l=len(buyer)
print(buyer)
```