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Batch-C1

```python
import csv
f1=open("/content/drive/MyDrive/sales assignment","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")
```

```python
print(productdetails)
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'}