

# EDSAssignment2

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```
import
csvf1=open("/content/drive/MyDrive/Sales_assingment2.csv","r")d1=list
(csv.reader(f1,delimiter=",")) j=len(d1)
productdetails=[]customerdetails=[]supplier=[]foriinrange(1,j):
    productdetails.append(d1[i][1])customer
details.append(d1[i][3])supplier.append(d1
[i][2])customerdetails=tuple(customerdetail
s)store=dict(zip(supplier,productdetails))po
pularproduct=[] bestsupplier=[]wealthycustomer=[]
foriinrange(j-1): a=0 b=0 c=0
        forz 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)bests

upplier.append(b)wealthycustom

er.append(c)print("\n") print("customer

detailsare")print(customerdetails)

print("\n") print("name of

theproducts")print(productdeta

ils)

print("\n")print("Bestselleris",s

upplier[bestsupplier.index(max(

bestsupplier)))]print("\n")

print("PopularProduct",productdetails[popularproduct.index(max(popularproduct)

])print("\n")

m=0

foriinrange(j-1): if(d1[i][4]=="female"):

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        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:**customerdetails

are

```

('Ram ', 'Sofia', 'Sanket Kandalkar', 'Yash Mali', 'Yash Bagul',
'Sofia', 'SanketKandalkar', 'Sam',
'YashMali', 'Sofia', 'SanketKandalkar', 'Sam',
'Yash Mali', 'Sofia', 'Tanuja Mali', 'Sam', 'Sanket Kandalkar',
'Sofia', 'Sam', 'YashMali')
name of the products
['Lenovo Laptop', 'Samsung M31', 'Realmi 10pro', 'Oppo F21',
'LenovoLaptop', 'SamsungM31', 'LGTv32"', 'OppoF21', 'LenovoLaptop', 'SamsungM31',
'LGTv32"', 'LenovoLaptop', 'SamsungM31', 'Realmi10pro', 'LenovoLaptop', 'Oppo
F21', 'LG TV 32"', 'Lenovo Laptop', 'Samsung M31', 'LG TV32"']

```

Bestseller is Jp.

Popular Product is Lenovo Laptop

No. of female customers are 6

The customer who buys most product is  
{ 'Sofia', 'Sam' }