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The screenshot shows a Google Colab notebook with the following code in the 'Code' tab:

```
import csv
f1=open("Sales2.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")
```

The 'Files' tab on the left shows a folder named 'sample_data' containing a file named 'Sales2.csv'. The 'Sales2.csv' file is also visible in the right-hand pane, showing a table with columns: Product ID, Product details, Supplier Details, and Customer Details. The table contains 10 rows of data.

The screenshot shows the same Google Colab notebook with updated code in the 'Code' tab:

```
wealthycustomer.append(c)
print("\n")
print("customer details are")
print(customerdetails)

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

customer details are
('kamlesh Pawar', 'Siddhi Kiwale', 'Sanket Kandalkar', 'Yash Mali', 'Yash Bagul', 'Yash
```

The 'Files' tab on the left shows the same folder structure. The 'Sales2.csv' file is also visible in the right-hand pane, showing the same table of data.

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OUTPUT:-

```
customer details are
('Kamlesh Pawar', 'Siddhi Kiwale', 'Sanket Kandalkar', 'Yash Mali',
'Yash Bagul', 'Yashomati Thakur', 'Sanket Kandalkar', 'Kaustubh
Mahajan', 'Yash Mali', 'Shravani singh', 'Sanket Kandalkar', 'Kaustubh
Mahajan', 'Yash Mali', 'Siddhi Kiwale', 'Tanuja Mali', 'Kaustubh
Mahajan', 'Omkar Kandalkar', 'Siddhi Kiwale', 'Kaustubh Mahajan',
'Rishab Yelne')
```

```
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
{'Kaustubh Mahajan'}
```

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https://colab.research.google.com/drive/17ftR-AYvr3I7_KHQpn6wwDPnS6tB9EsM?authuser=2#scrollTo=6x12mfC9Vpcb

EDS ASSINGMENT 2