Assignment 2

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Batch-G3

SOURCE CODE:

```python
import csv from collections
import Counter
 f1 =
open("CSV's/Sales.csv","r")
 product_details = [
] customer_details =
[ ] supplier_details
= { } supplist = [ ]
gender = [ ]

while(True):
    data = f1.readline()     if
not data:         break;
#print(data)     data =
data.replace("\n","")
    # print(data)     temp =
data.split(",")    print(temp)
product_details.append(temp[1])
    customer_details.append(temp[3]) # type:
ignore
supplier_details.update({temp[1]:temp[2]})
supplist.append(temp[2])
gender.append(temp[4]) f1.close()
 customer_details =
tuple(customer_details)

# print(supplist)

# print(supplier_details)
 frequency = { } for items
in product_details:        if
items in frequency:
```

```python
        frequency[items]+=1
else:
  frequency[items]=1
# print("\n\n\n")
# print(frequency.items())
# print("\n\n\n\n")
 marklist = sorted(frequency.items(),key = lambda
x:
x[1],reverse = True)
# print(marklist)
# marklist= dict(marklist)
# print(marklist) print(f"Most Poppular Item is :
{marklist[0][0]}")

# print(supplier_details)
 supplierList =
list(supplier_details.items())

# print(supplierList)

CounterDict = Counter(supplist)
# print(CounterDict)
 poplist = sorted(CounterDict.items(),key = lambda x :
x[1],  reverse = True) poplist = list(poplist)
print(f"Best Supplier is: {poplist[0][0]}")

CountCustomer = Counter(customer_details)
# print(CountCustomer)

CustomerCountList = sorted(CountCustomer.items(),key =
lambda x: x[1], reverse = True)
CustomerCountList = list(CustomerCountList)
 print(f"Customer Who Bought Most Products is:
{CustomerCountList[0][0]}")
# print(gender) countGender
= Counter(gender)
# countGender = list(countGender)

a = (countGender.get("Female"))
 print(f"No of females are:
{a}")
```

output

['Product ID', 'Product details', 'Supplier Details', 'Customer Details', 'Gender']

['P00001', 'Lenovo Laptop', 'Raka Ele.', 'Kaustubh Mahajan', 'Male']

['P00002', 'Samsung M31', 'Vijay Sales', 'Siddhi Kiwale', 'Female']

['P00003', 'Realmi 10pro', 'Gada Ele.', 'Sanket Kandalkar', 'Male']

['P00004', 'Oppo F21', 'Surya Ele.', 'Yash Mali', 'Male']

['P00005', 'Lenovo Laptop', 'Raka Ele.', 'Yash Bagul', 'Male']

['P00006', 'Samsung M31', 'Gada Ele.', 'Siddhi Kiwale', 'Female']

['P00007', '"LG TV 32"""', 'Vijay Sales', 'Sanket Kandalkar', 'Male']

['P00008', 'Oppo F21', 'Surya Ele.', 'Kaustubh Mahajan', 'Male']

['P00009', 'Lenovo Laptop', 'Raka Ele.', 'Yash Mali', 'Male']

['P00010', 'Samsung M31', 'Gada Ele.', 'Siddhi Kiwale', 'Female']

['P00011', '"LG TV 32"""', 'Surya Ele.', 'Sanket Kandalkar', 'Male']

['P00012', 'Lenovo Laptop', 'Raka Ele.', 'Kaustubh Mahajan', 'Male']

['P00013', 'Samsung M31', 'Surya Ele.', 'Yash Mali', 'Male']

['P00014', 'Realmi 10pro', 'Raka Ele.', 'Siddhi Kiwale', 'Female'] ['P00015',

'Lenovo Laptop', 'Gada Ele.', 'Tanuja Mali', 'Female']

['P00016', 'Oppo F21', 'Vijay Sales', 'Kaustubh Mahajan', 'Male']

['P00017', '"LG TV 32"""', 'Deshmukh sales', 'Sanket Kandalkar', 'Male']

['P00018', 'Lenovo Laptop', 'Raka Ele.', 'Siddhi Kiwale', 'Female']

['P00019', 'Samsung M31', 'Deshmukh sales', 'Kaustubh Mahajan', 'Male']

['P00020', '"LG TV 32"""', 'Gada Ele.', 'Yash Mali', 'Male']

Most Poppular Item is : Lenovo Laptop

Best Supplier is: Raka Ele.

Customer Who Bought Most Products is: Kaustubh Mahajan

No of females are: 6