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BATCH-B2

LINK TO CODE:

https://colab.research.google.com/drive/1BJx1Pdqvv6W-RQqp5Fl2ExD8clsAqwlo#scrollTo=69iqB3gfklxF&line=38&uniqifier=1

```
import csv
f1=open("/content/sample_data/product details.csv","r")
productid=[]
productdetails=[]
customerdetails=[]
supplierdetails={}
gender={}
d1=list(csv.reader(f1,delimiter=','))
for i in range(len(d1)):
  productid.append(d1[i][0])
  productdetails.append(d1[i][1])
  customerdetails.append(d1[i][3])
  supplierdetails.update({d1[i][0]:d1[i][2]})
  gender.update({d1[i][3]:d1[i][4]})
#print(productid)
#print(productdetails)
#print(customerdetails)
print(supplierdetails)
print(gender)
```

```python
frequency={}
for item in productdetails:
  if item in frequency:
    frequency[item]=frequency[item]+1
  else:
    frequency[item]=1
print(frequency)
marklist=sorted(frequency.items(),key=lambda x:x[1],reverse=True)


sortdict=dict(marklist)
print(sortdict)
print("The most popular product for
sales:",list(sortdict.keys())[0],"sold",list(sortdict.values())[0],"times")
frequency={}
for item in supplierdetails.values():
  if item in frequency:
    frequency[item] +=1
  else:
    frequency[item]=1
print(frequency)
namelist=sorted(frequency.items(),key=lambda x:x[1],reverse=True)
sortdict=dict(namelist)
print(sortdict)
print("The most frequent customer is:",list(sortdict.keys())[0],"and purchased
item",list(sortdict.values())[0],"times")




#4) FIND THE NUMBER OF CUSTOMERS WHO ARE 'FEMALE'
frequency = {}
for item in gender.values():
  if item in frequency:
    frequency[item] += 1
```

```python
    else:
      frequency[item]=1
print(frequency)
genderlist=sorted(frequency.items(),key= lambda x:x[1],reverse=True)
print("The number of customers who are Female:",list(frequency.values())[1])
print("The number of customers who are Male:",list(frequency.values())[2])
```