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Assignment 2 EDS

Code:

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#!/usr/bin/env python
# coding: utf-8

# In[89]:

f1 = open("D:\\Assignment_564\\sales.csv",'r')

# In[90]:

Product_Id = []
Product_Details = []
Supplier_Details = {}
Customer_Details = []
Gender = []
Supplier_Details1 = []

# In[91]:

while(True):
    data = f1.readline()
    if not data:
        break;
    data = data.replace("\n","")
    temp = data.split(",")
    Product_Id.append(temp[0])
    Product_Details.append(temp[1])
    Supplier_Details.update({temp[0]:temp[2]})
    Supplier_Details1.append(temp[2])
    Customer_Details.append(temp[3])
    Gender.append(temp[4])
f1.close()
```

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# In[92]:

print( Product_Id)

# In[93]:

Customer_Details = tuple(Customer_Details)
print(type(Customer_Details))

# In[94]:

print(Gender)

# In[95]:

print(Product_Details)

# In[96]:

print(Supplier_Details)

# In[97]:

print(Customer_Details)

# In[98]:

print(Supplier_Details1)

# In[99]:

frequency = {}
for item in Product_Details:
    if item in frequency:
        frequency[item] += 1
    else:
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        frequency[item] = 1
print(frequency)

# In[100]:

print(frequency)
myValues = list(frequency.values())
myValues.sort()
print(myValues)
dict(sorted(frequency.items(), key=lambda item: item[1]))

# In[101]:

frequency1 = {}
for item in Supplier_Details1:
    if item in frequency1:
        frequency1[item] += 1
    else:
        frequency1[item] = 1
print(frequency1)

# In[102]:

frequency2 = {}
for item in Customer_Details:
    if item in frequency2:
        frequency2[item] += 1
    else:
        frequency2[item] = 1
print(frequency2)

# In[103]:

print(Gender)
print(Gender.count("Male"))
print(Gender.count("Female"))

```

Output:

