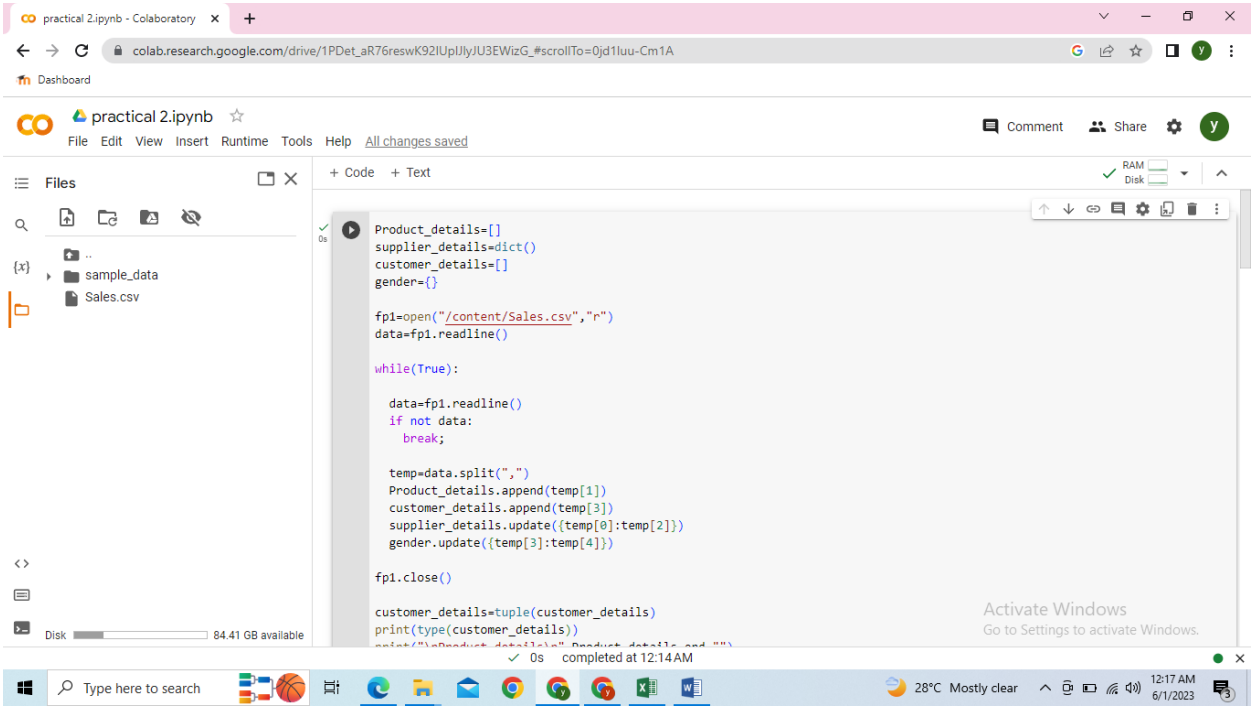
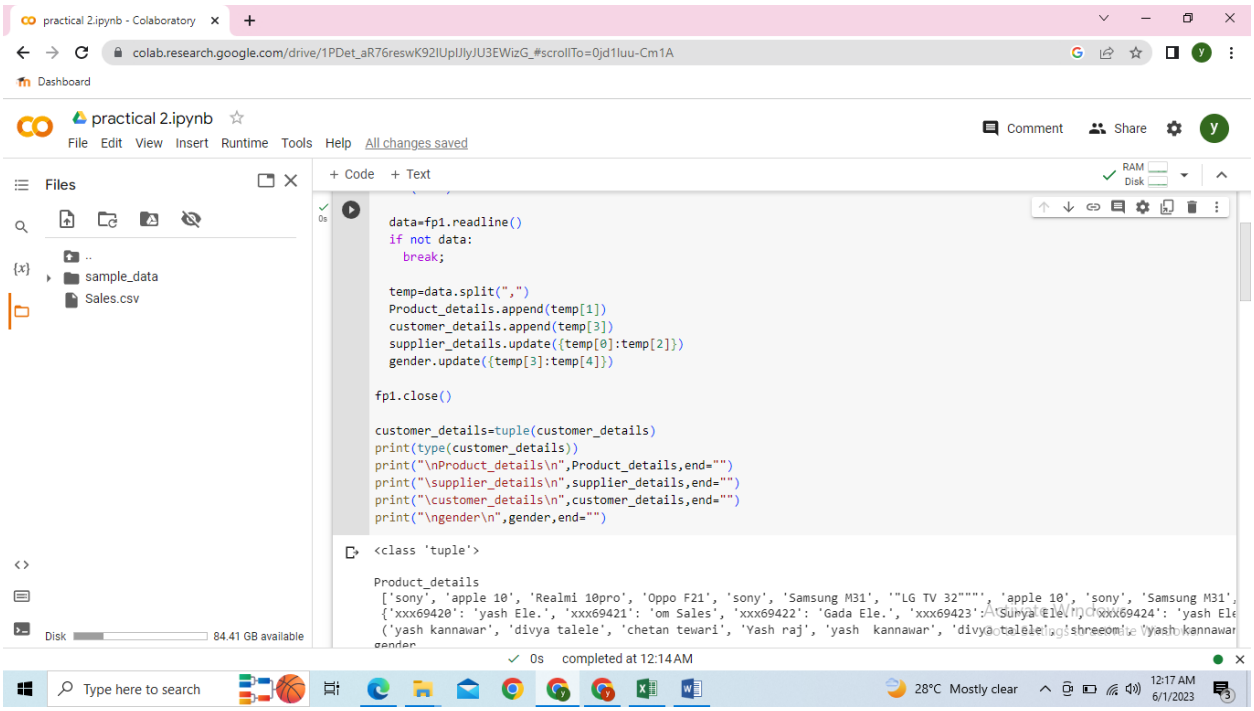
NAME-YASH KANNAWAR

ROLL NO-324

PRN-202201060048

INPUT




practical 2.ipynb - Colaboratory
colab.research.google.com/drive/1PDet_aR76reswK92IUpIJlyJU3EWizG_#scrollTo=0jd1luu-Cm1A
practical 2.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
Sales.csv
+ Code + Text
data=fp1.readline()
if not data:
break;
temp=data.split(",")
Product_details.append(temp[1])
customer_details.append(temp[3])
supplier_details.update({temp[0]:temp[2]})
gender.update({temp[3]:temp[4]})
fp1.close()
customer_details=tuple(customer_details)
print(type(customer_details))
print("\nProduct_details\n",Product_details,end="")
print("\supplier_details\n",supplier_details,end="")
print("\customer_details\n",customer_details,end="")
print("\ngender\n",gender,end="")
<class 'tuple'>
Product_details
['sony', 'apple 10', 'Realmi 10pro', 'Oppo F21', 'sony', 'Samsung M31', '"LG TV 32"""', 'apple 10', 'sony', 'Samsung M31',
{'xxx69420': 'yash Ele.', 'xxx69421': 'om Sales', 'xxx69422': 'Gada Ele.', 'xxx69423': 'Surya Ele.', 'xxx69424': 'yash Ele
('yash kannawar', 'divya talele', 'chetan tewari', 'Yash raj', 'yash kannawar', 'divya talele', 'shreeom', 'yash kannawar
gender
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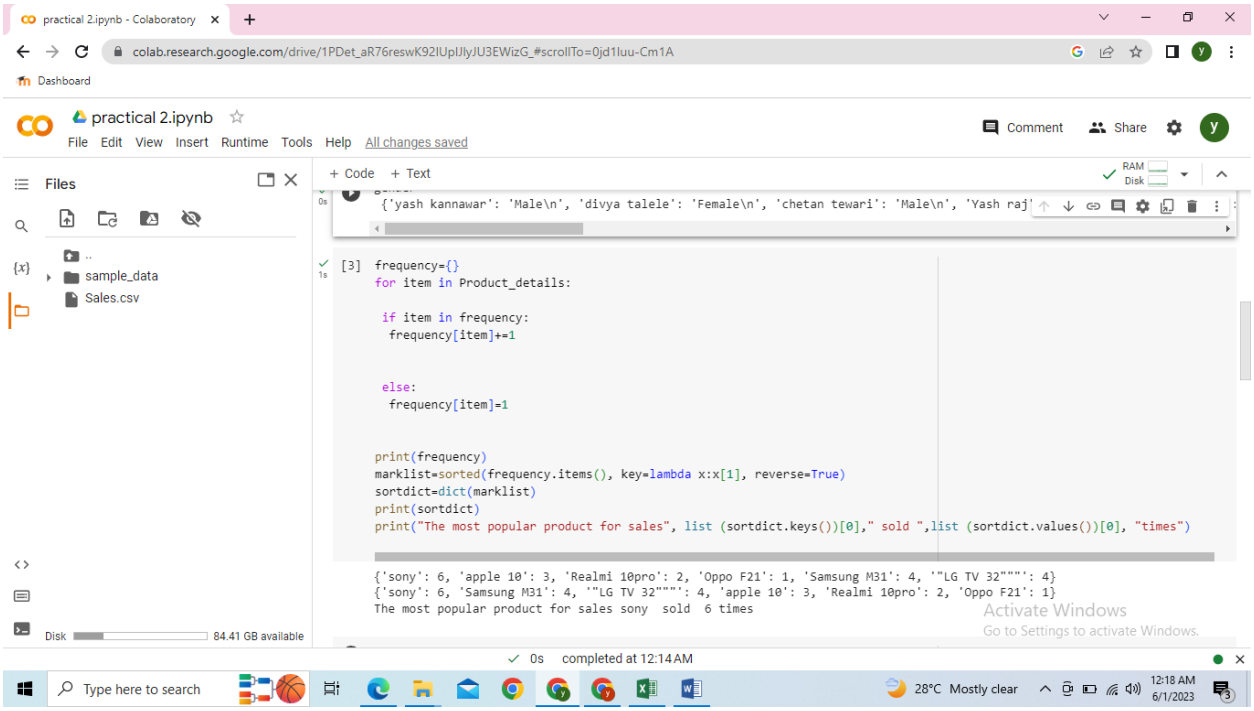
6/1/2023


practical 2.ipynb - Colaboratory
colab.research.google.com/drive/1PDet_aR76reswK92IUpIJlyJU3EWizG_#scrollTo=0jd1luu-Cm1A
practical 2.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
Sales.csv
+ Code + Text
{'yash kannawar': 'Male\n', 'divya talele': 'Female\n', 'chetan tewari': 'Male\n', 'Yash raj'
[3] frequency={}
for item in Product_details:
if item in frequency:
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")
{'sony': 6, 'apple 10': 3, 'Realmi 10pro': 2, 'Oppo F21': 1, 'Samsung M31': 4, '"LG TV 32"""': 4}
{'sony': 6, 'Samsung M31': 4, '"LG TV 32"""': 4, 'apple 10': 3, 'Realmi 10pro': 2, 'Oppo F21': 1}
The most popular product for sales sony sold 6 times
Activate Windows
Go to Settings to activate Windows.
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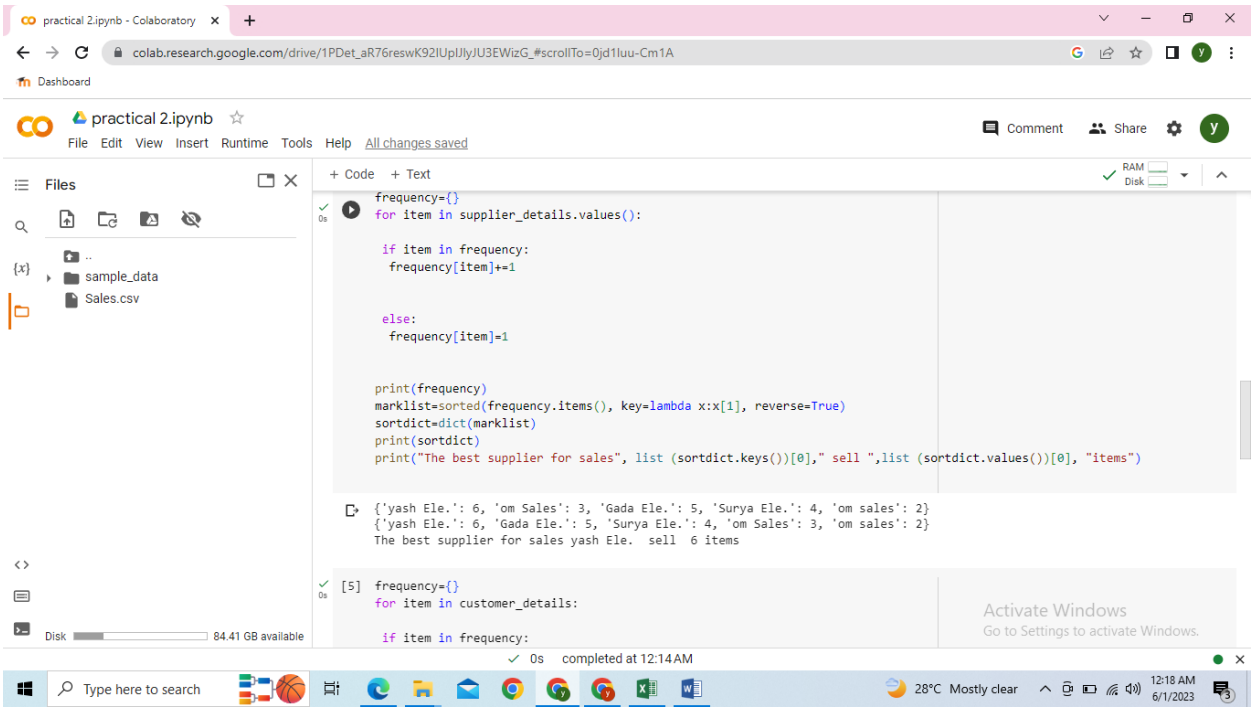
6/1/2023


practical 2.ipynb - Colaboratory
colab.research.google.com/drive/1PDet_aR76reswK92IUpIJlyJU3EWizG_#scrollTo=0jd1luu-Cm1A
practical 2.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
Sales.csv
+ Code + Text
frequency={}
for item in supplier_details.values():
if item in frequency:
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 best supplier for sales", list (sortdict.keys())[0]," sell ",list (sortdict.values())[0], "items")
{'yash Ele.': 6, 'om Sales': 3, 'Gada Ele.': 5, 'Surya Ele.': 4, 'om sales': 2}
{'yash Ele.': 6, 'Gada Ele.': 5, 'Surya Ele.': 4, 'om Sales': 3, 'om sales': 2}
The best supplier for sales yash Ele. sell 6 items
[5] frequency={}
for item in customer_details:
if item in frequency:
Activate Windows
Go to Settings to activate Windows.
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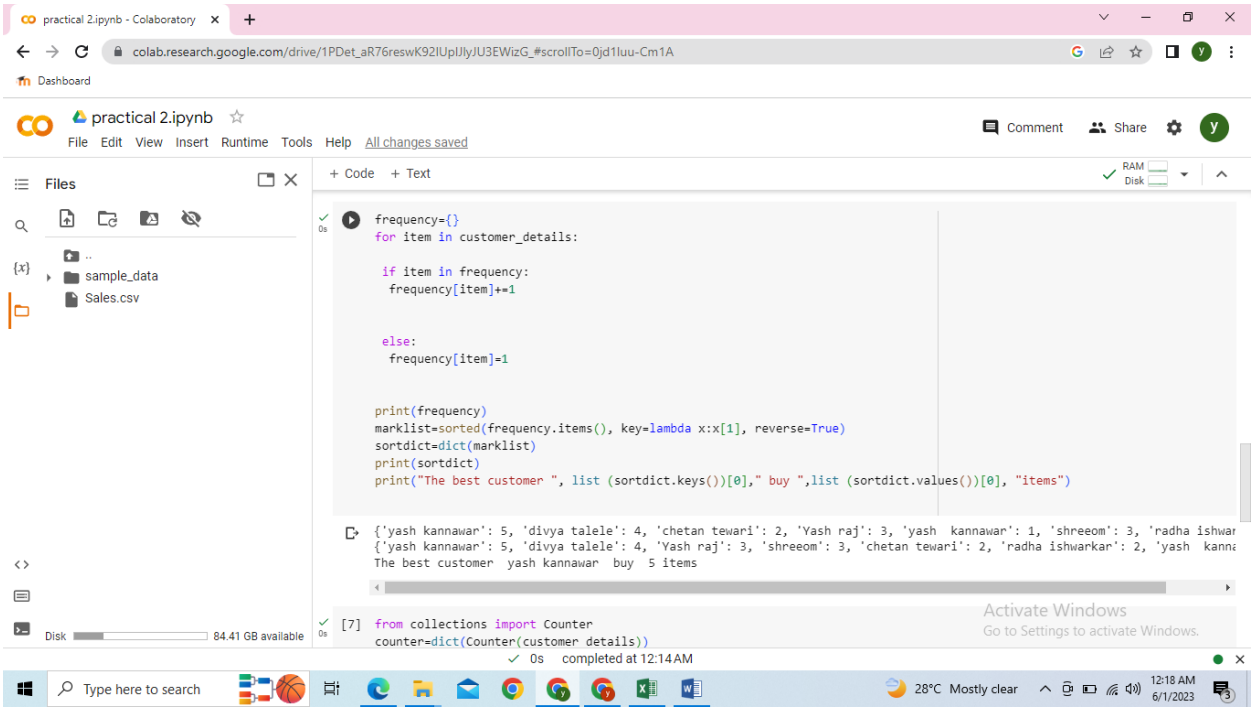
Type here to search
28°C Mostly clear
12:18 AM
6/1/2023


practical 2.ipynb - Colaboratory
colab.research.google.com/drive/1PDet_aR76reswK92IUpIJlyJU3EWizG_#scrollTo=0jd1luu-Cm1A
practical 2.ipynb
File Edit View Insert Runtime Tools Help All changes saved
Comment
Share
Files
sample_data
Sales.csv
+ Code + Text
frequency={}
for item in customer_details:
if item in frequency:
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 best customer ", list (sortdict.keys())[0]," buy ",list (sortdict.values())[0], "items")
{'yash kannawar': 5, 'divya talele': 4, 'chetan tewari': 2, 'Yash raj': 3, 'yash kannawar': 1, 'shreeom': 3, 'radha ishwar
{'yash kannawar': 5, 'divya talele': 4, 'Yash raj': 3, 'shreeom': 3, 'chetan tewari': 2, 'radha ishwarkar': 2, 'yash kanna
The best customer yash kannawar buy 5 items
[7] from collections import Counter
counter=dict(Counter(customer_details))
Activate Windows
Go to Settings to activate Windows.
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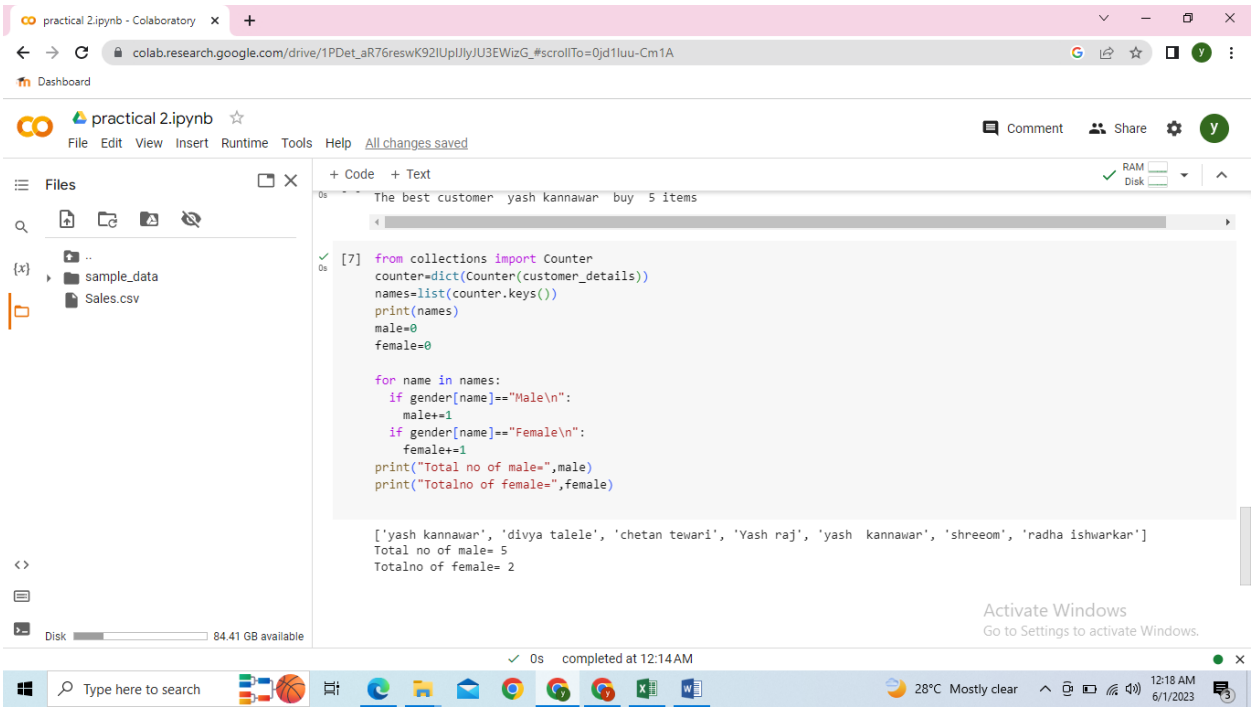
12:18 AM
6/1/2023



OUTPUT

```
<class 'tuple'>

Product_details
 ['sony', 'apple 10', 'Realmi 10pro', 'Oppo F21', 'sony', 'Samsung M31',
'"LG TV 32"""', 'apple 10', 'sony', 'Samsung M31', '"LG TV 32"""', 'sony',
'Samsung M31', 'Realmi 10pro', 'sony', 'apple 10', '"LG TV 32"""', 'sony',
'Samsung M31', '"LG TV 32"""']\supplier_details
 {'xxx69420': 'yash Ele.', 'xxx69421': 'om Sales', 'xxx69422': 'Gada
Ele.', 'xxx69423': 'Surya Ele.', 'xxx69424': 'yash Ele.', 'xxx69425':
'Gada Ele.', 'xxx69426': 'om Sales', 'xxx69427': 'Surya Ele.', 'xxx69428':
'yash Ele.', 'xxx69429': 'Gada Ele.', 'xxx69430': 'Surya Ele.',
'xxx69431': 'yash Ele.', 'xxx69432': 'Surya Ele.', 'xxx69433': 'yash
Ele.', 'xxx69434': 'Gada Ele.', 'xxx69435': 'om Sales', 'xxx69436': 'om
sales', 'xxx69437': 'yash Ele.', 'xxx69438': 'om sales', 'xxx69439': 'Gada
Ele.'}\customer_details
 ('yash kannawar', 'divya talele', 'chetan tewari', 'Yash raj', 'yash
kannawar', 'divya talele', 'shreeom', 'yash kannawar', 'Yash raj', 'radha
ishwarkar', 'shreeom', 'yash kannawar', 'Yash raj', 'divya talele', 'radha
ishwarkar', 'yash kannawar', 'shreeom', 'divya talele', 'yash kannawar',
'chetan tewari')
gender
 {'yash kannawar': 'Male\n', 'divya talele': 'Female\n', 'chetan tewari':
'Male\n', 'Yash raj': 'Male\n', 'yash  kannawar': 'Male\n', 'shreeom':
'Male\n', 'radha ishwarkar': 'Female\n'}
```

```
{'sony': 6, 'apple 10': 3, 'Realmi 10pro': 2, 'Oppo F21': 1, 'Samsung M31': 4, '"LG TV 32"""': 4}
{'sony': 6, 'Samsung M31': 4, '"LG TV 32"""': 4, 'apple 10': 3, 'Realmi 10pro': 2, 'Oppo F21': 1}
The most popular product for sales sony  sold  6 times
```

```
frequency={}
```

```
{'yash Ele.': 6, 'om Sales': 3, 'Gada Ele.': 5, 'Surya Ele.': 4, 'om sales': 2}
{'yash Ele.': 6, 'Gada Ele.': 5, 'Surya Ele.': 4, 'om Sales': 3, 'om sales': 2}
The best supplier for sales yash Ele.  sell  6 items
```

```
['yash kannawar', 'divya talele', 'chetan tewari', 'Yash raj', 'yash  kannawar', 'shreeom', 'radha ishwarkar']
Total no of male= 5
Totalno of female= 2
```

```
{'yash kannawar': 5, 'divya talele': 4, 'chetan tewari': 2, 'Yash raj': 3, 'yash  kannawar': 1, 'shreeom': 3, 'radha ishwarkar': 2}
{'yash kannawar': 5, 'divya talele': 4, 'Yash raj': 3, 'shreeom': 3, 'chetan tewari': 2, 'radha ishwarkar': 2, 'yash  kannawar': 1}
The best customer  yash kannawar  buy  5 items
```

LINK

https://drive.google.com/file/d/1Z3j8Jg9iOoirteJt0x-kzZr0_fbICd-_/view?usp=drive_link