

**Name – Abhijit Jadhav**

**Roll No. – 821**

**PRN – 202201040122**

**Practical 2**

- 1. Find the most popular product for sale.**
- 2. Find the best supplier for sales.**
- 3. Find the customer who buys most of the products.**
- 4. Find the number of customers who are 'Female'**

**Code –**

practical 2.py - C:\Users\ASUS\OneDrive\Desktop\eds practical 2\practical 2.py (3.11.3)

File Edit Format Run Options Window Help

```
f=open("sales.csv","r")
data=f.read()
lines=data.splitlines()

p_details=[]
c_details=()
s_details={}
g_details={}
ctemp=[]
pfc={}
cfc={}
male=0
female=0
freq={}

for l in lines:
    words=l.split(",")
    p_details.append(words[1])
    ctemp.append(words[3])
    s_details[words[0]]=words[2]
    g_details[words[3]]=words[4]

#1) Find the most popular product for sale
for p in p_details:
    if p not in pfc:
        pfc[p]=1
    else:
        pfc[p]=pfc[p]+1

max=0
pn=""
for k,v in pfc.items():
    if(max<v):
        max=v
        pn=k

print("The most popular product for sale -",pn)
```

#2) Find the customer who buys most of the products

```
for c in ctemp:
    if c not in cfc:
        cfc[c]=1
    else:
        cfc[c]=cfc[c]+1

max=0
cd=""
for a,b in cfc.items():
    if(max<b):
        max=b
        cd=a
print("The customer who buys most of the products -",cd)
```

#3) Find the number of customers who are 'Female'

```
for k,v in g_details.items():
    if(v=="Female"):
        female=female+1
    else:
        male=male+1

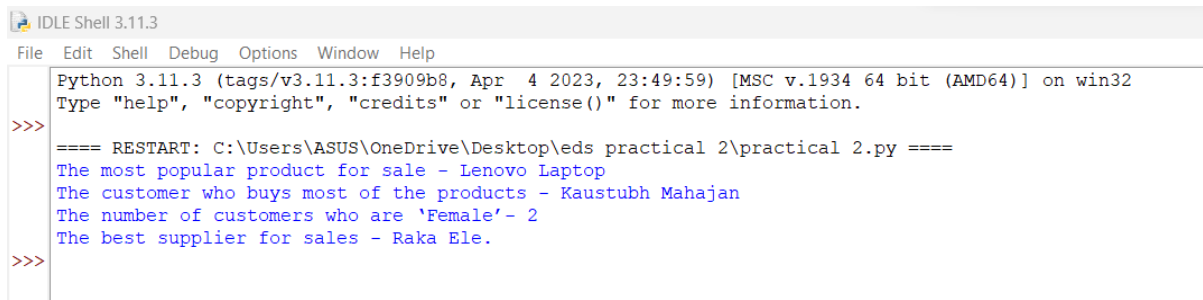
print("The number of customers who are 'Female'-",female)
```

#4) Find the best supplier for sales.

```
for s in s_details.values():
    if s in freq:
        freq[s]=freq[s]+1
    else:
        freq[s]=1

max=0
rf=""
for k,v in freq.items():
    if(max<v):
        max=v
        rf=k
print("The best supplier for sales -",rf)
```

## Output –



```
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr  4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:\Users\ASUS\OneDrive\Desktop\eds practical 2\practical 2.py ====
The most popular product for sale - Lenovo Laptop
The customer who buys most of the products - Kaustubh Mahajan
The number of customers who are 'Female'- 2
The best supplier for sales - Raka Ele.
>>>
```