Name : Sanskar Subhashrso Mandavkar
PRN : 202201090137
Roll No : 831
Division : H2

Assignment 2

Code :

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

p_details=[]
c_details=()
s_details={}
g_details={}
ctemp=[]
fcount={}
sup_fc={}
cfc={}


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]
c_derails=tuple(ctemp)
```

```python
# most popular product

for p in p_details:
    if p not in fcount:
        fcount[p]=1
    else:
        fcount[p]=fcount[p]+1
max=0
pn=""

for k,v in fcount.items():
    if (max<v):
        max=v
        pn=k
print("most popular product is:",pn)
```

```python
#Best supplier

for k,v in s_details.items():
    if v not in sup_fc:
        sup_fc[v]=1
    else:
        sup_fc[v]=sup_fc[v]+1

max=0
pn=""

for k,v in sup_fc.items():
    if(max<v):
        max=v
        pn=k
print("Best supplier is:",pn)
```

```python
#who buys most of the products


for c in c_derails:
    if c not in cfc:
        cfc[c]=1
    else:
        cfc[c]=cfc[c]+1
max=0
cname=""
for k,v in cfc.items():
    if(max<v):
        max=v
        pn=k

print("Most products buy is:",pn)
```

```python
#Number of female coustomers

cnt=0
for i in g_details:
    if g_details[i]=="Female":
        cnt=cnt+1
print("Numder of Female count:",cnt)
```

Output :

```
most popular product is: Lenovo Laptop
Best supplier is: Raka Ele.
Most products buy is: Kaustubh Mahajan
Numder of Female count: 2
```