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Sub: EDS Assig 2
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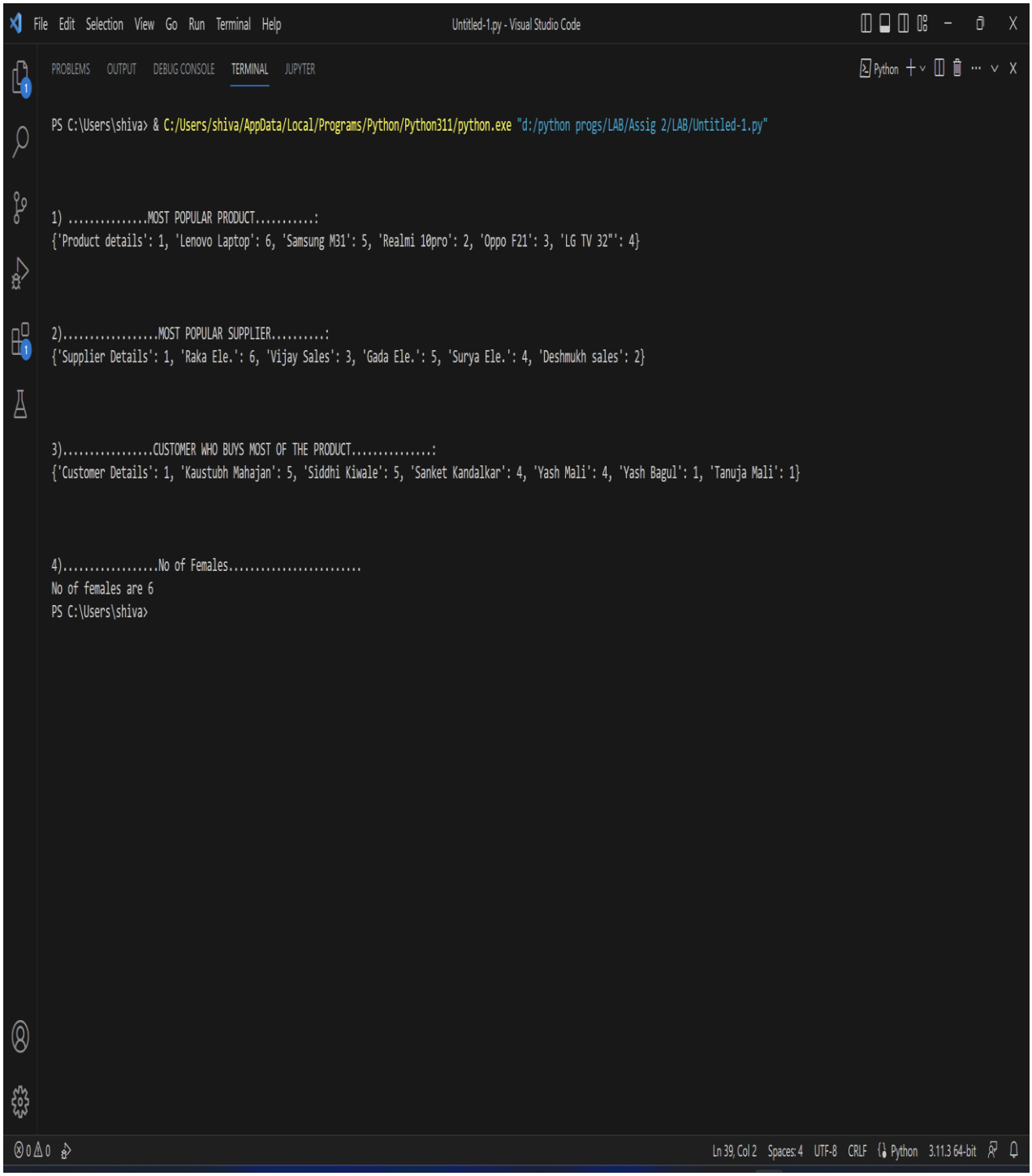
FY Btech 2022-23

Code:

```
f1 = open("D:\python progs\LAB\Assig 2\LAB\Sales.csv",'r')

product_details = []
supplier_details = {}
customer_details = []
gender = []
supplier_details1 = []
productId = []

while(True):
    data = f1.readline()
    if not data:
        break;
    data = data.replace("\n","")
    temp = data.split(",")
    productId.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()

customer_details = tuple(customer_details)

frequency = {}
for item in product_details:
    if item in frequency:
        frequency[item] += 1
    else:
        frequency[item] = 1
print("\n\n")
print("1) ..............MOST POPULAR PRODUCT...........:")
print(frequency)

print("\n\n")


values = list(frequency.values())
```

```
values.sort()

dict(sorted(frequency.items(), key=lambda item: item[1]))


frequency1 = {}
for item in supplier_details1:
    if item in frequency1:
        frequency1[item] += 1
    else:
        frequency1[item] = 1
print("2).................MOST POPULAR SUPPLIER..........:")
print(frequency1)

print("\n\n")

frequency2 = {}
for item in customer_details:
    if item in frequency2:
        frequency2[item] += 1
    else:
        frequency2[item] = 1
print("3).................CUSTOMER WHO BUYS MOST OF THE
PRODUCT..............:")
print(frequency2)

print("\n\n")

print("4).................No of Females.......................")
print("No of females are",gender.count("Female"))
```

Output:


File Edit Selection View Go Run Terminal Help
Untitled-1.py - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
Python
PS C:\Users\shiva> & C:/Users/shiva/AppData/Local/Programs/Python/Python311/python.exe "d:/python progs/LAB/Assig 2/LAB/Untitled-1.py"
1) ....MOST POPULAR PRODUCT..........:
{'Product details': 1, 'Lenovo Laptop': 6, 'Samsung M31': 5, 'Realmi 10pro': 2, 'Oppo F21': 3, 'LG TV 32"': 4}
2).................MOST POPULAR SUPPLIER.........:
{'Supplier Details': 1, 'Raka Ele.': 6, 'Vijay Sales': 3, 'Gada Ele.': 5, 'Surya Ele.': 4, 'Deshmukh sales': 2}
3).................CUSTOMER WHO BUYS MOST OF THE PRODUCT..............:
{'Customer Details': 1, 'Kaustubh Mahajan': 5, 'Siddhi Kiwale': 5, 'Sanket Kandalkar': 4, 'Yash Mali': 4, 'Yash Bagul': 1, 'Tanuja Mali': 1}
4).................No of Females.....................
No of females are 6
PS C:\Users\shiva>
Ln 39, Col 2 Spaces: 4 UTF-8 CRLF Python 3.11.3 64-bit