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product_details=[]
customer_details=[]
supplier_details=dict()
gender=dict()
import csv

# Read the data from CSV
sales_data = []
with open('/content/drive/MyDrive/747_vaishnavi nikam/sales (1).csv',
'r') as file:
    reader = csv.reader(file)
    next(reader)  # Skip the header row
    for row in reader:
                product_details.append(row[1])
                customer_details.append(row[3])
                supplier_details.update({row[0]:row[2]})
                gender.update({row[3]:row[4]})
                sales_data.append((product_details, supplier_details,
customer_details, gender))
# Find the most popular product for sale.
sorted_product = sorted(product_details,key=len, reverse=True)
popular_product = sorted_product[0]
print("Popular product is:",popular_product)
#Find the best supplier for sales.
sorted_seller = sorted(supplier_details.items(), key=lambda x: x[1],
reverse=True)
max_item = sorted_seller[0]
best_seller = max_item[1]
print("Best sells man is: ",best_seller)
#Find the customer who buys most of the products.
sorted_customer = sorted(customer_details,key=len, reverse=True)
popular_customer = sorted_customer[0]
print("Popular customer is:",popular_customer)
#Find the number of customers who are 'Female'
sorted_gender = sorted(gender.values(), reverse=True)
female_count = sorted_gender.count("Female")
print("Number of females are: ",female_count)
```

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Popular product is: Lenovo Laptop
Best sells man is:  Vijay Sales
Popular customer is: Kaustubh Mahajan
Number of females are:  2
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