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Step 1: Read the data from the Sales.csv file and store it in appropriate data structure

```
import csv

# Lists to store product details
product_list = []

# Dictionary to store supplier details
supplier_dict = {}

# Tuple to store customer details
customer_tuple = ()

# Read data from Sales.csv
with open('Sales.csv', 'r') as file:
    csv_reader = csv.reader(file)
    next(csv_reader)  # Skip the header row
    for row in csv_reader:
        product_name = row[0]
        supplier_name = row[1]
        customer_name = row[2]
        gender = row[3]

        # Store product details in list
        product_list.append(product_name)

        # Store supplier details in dictionary
        if supplier_name in supplier_dict:
            supplier_dict[supplier_name].append(product_name)
        else:
```

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```
        supplier_dict[supplier_name] = [product_name]

    # Store customer details in tuple
    if customer_tuple:
        customer_tuple += (customer_name, gender)
    else:
        customer_tuple = (customer_name, gender)
```

Step 2: Perform the required operations.

a) Find the most popular product for sale.

```
from collections import Counter

# Find the most popular product
popular_product = Counter(product_list).most_common(1)[0][0]

print("Most popular product:", popular_product)
```

b) Find the best supplier for sales

```
# Find the supplier with the most products
best_supplier = max(supplier_dict, key=lambda x: len(supplier_dict[x]))

print("Best supplier:", best_supplier)
```

c) Find the customer who buys the most products.

python

```
# Count the number of products bought by each customer
customer_counts = Counter(customer_tuple[::2])

# Find the customer who buys the most products
```

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```
top_customer = customer_counts.most_common(1)[0][0]

print("Customer who buys the most products:", top_customer)
```

d) Find the number of customers who are 'Female'.

```
# Count the number of customers by gender
gender_counts = Counter(customer_tuple[1::2])

# Find the number of female customers
female_count = gender_counts['Female']

print("Number of female customers:", female_count)
```