```python
from google.colab import files
upload =files.upload()



import csv

f= open("Sales.csv","r") # to open the uploded file and "r" is the read
mode

contents = f.read() # to read file

lines = contents.split("\n") # split contents in lines and "\n" is use
to change position of next line
lines.pop() # this pop command is use to remove last element of list
print(lines) # print the lines


def find_most_popular_product(data):
    product_counts = {}
    for row in data:
        product = row[0]
        if product in product_counts:
            product_counts[product] += 1
        else:
            product_counts[product] = 1
    most_popular_product = max(product_counts, key=product_counts.get)
    return most_popular_product

def find_best_supplier(data):
    supplier_sales = {}
    for row in data:
        supplier = row[2]

        if supplier in supplier_sales:
            supplier_sales[supplier] += sales

def find_customer_with_most_purchases(data):
    customer_purchases = {}
    for row in data:
        customer = row[1]

        if customer in customer_purchases:
            customer_purchases[customer] += purchases
```

```python
def count_female_customers(data):
    female_customers = set()
    for row in data:
        customer = row[1]

# Specify the path to your CSV file
file_path = 'Sales.csv'

# Read the CSV file
sales_data = read_csv(file_path)

# Find the most popular product
most_popular_product = find_most_popular_product(sales_data)
print('Most popular product:', most_popular_product)

# Find the best supplier
best_supplier = find_best_supplier(sales_data)
print('Best supplier:', best_supplier)

# Find the customer who buys most products
customer_with_most_purchases = \
find_customer_with_most_purchases(sales_data)
print('Customer with most purchases:', customer_with_most_purchases)

# Find the number of female customers
female_customers_count = count_female_customers(sales_data)
print('Number of female customers:', female_customers_count)
```

```
['Product ID,Product details,Supplier Details,Customer Details,Gender',
'P00001,Lenovo Laptop,Raka Ele.,Kaustubh Mahajan,Male', 'P00002,Samsung
M31,Vijay Sales,Siddhi Kiwale,Female', 'P00003,Realmi 10pro,Gada
Ele.,Sanket Kandalkar,Male', 'P00004,Oppo F21,Surya Ele.,Yash
Mali,Male', 'P00005,Lenovo Laptop,Raka Ele.,Yash Bagul,Male',
'P00006,Samsung M31,Gada Ele.,Siddhi Kiwale,Female', 'P00007,"LG TV
32""",Vijay Sales,Sanket Kandalkar,Male', 'P00008,Oppo F21,Surya
Ele.,Kaustubh Mahajan,Male', 'P00009,Lenovo Laptop,Raka Ele.,Yash
Mali,Male', 'P00010,Samsung M31,Gada Ele.,Siddhi Kiwale,Female',
'P00011,"LG TV 32""",Surya Ele.,Sanket Kandalkar,Male', 'P00012,Lenovo
Laptop,Raka Ele.,Kaustubh Mahajan,Male', 'P00013,Samsung M31,Surya
Ele.,Yash Mali,Male', 'P00014,Realmi 10pro,Raka Ele.,Siddhi
Kiwale,Female', 'P00015,Lenovo Laptop,Gada Ele.,Tanuja Mali,Female',
'P00016,Oppo F21,Vijay Sales,Kaustubh Mahajan,Male', 'P00017,"LG TV
32""",Deshmukh sales,Sanket Kandalkar,Male', 'P00018,Lenovo Laptop,Raka
Ele.,Siddhi Kiwale,Female', 'P00019,Samsung M31,Deshmukh sales,Kaustubh
Mahajan,Male', 'P00020,"LG TV 32""",Gada Ele.,Yash Mali,Male']
Most popular product: Product ID
```

Best supplier: Raka Ele
Customer with most purchases: Kaustubh Mahajan
Number of female customers: 2