

## ▼ Assignment 1

```
#link to dataset https://drive.google.com/file/d/1-Lb05q4TEu1no9gkgYMx0rkM3VJSXLkw/view?usp=sharing  
with open('Sales.csv', 'r') as file:  
    data = file.readlines()
```

```
data = [row.strip() for row in data[1:]]  
#print(data)
```

```
product_id = [row.split(',')[0] for row in data]  
product_details = [row.split(',')[1] for row in data]  
supplier_details = [row.split(',')[2] for row in data]  
customer_details = [row.split(',')[3] for row in data]  
gender = [row.split(',')[4] for row in data]
```

```
def find_frequent(a_list):  
    count, product_list = 0, []  
    for product in set(a_list):  
        if a_list.count(product) > count:  
            count = a_list.count(product)  
            product_list = []  
            product_list.append(product)  
        elif a_list.count(product) == count:  
            product_list.append(product)  
    return product_list
```

```
print('most popular prodcut:', find_frequent(product_details))  
print('best supplier:', find_frequent(supplier_details))  
print('best customer', find_frequent(customer_details))  
print('most frequent gender is:', find_frequent(gender))
```

```
📄 most popular prodcut: ['Lenovo Laptop']  
best supplier: ['Raka Ele.']  
best customer ['Kaustubh Mahajan', 'Siddhi Kiwale']  
most frequent gender is: ['Male']
```

[Colab paid products](#) - [Cancel contracts here](#)

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