COMPSCI 677 Lab 3 - Spring 2023

Output File

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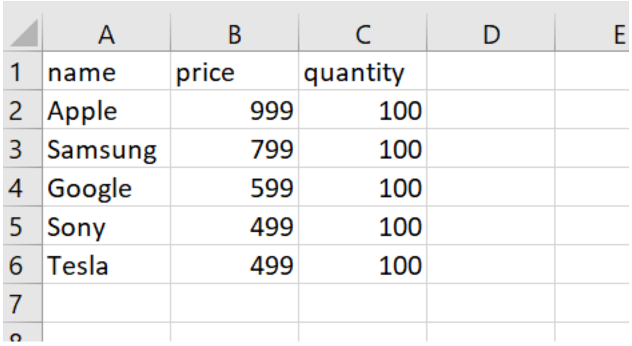
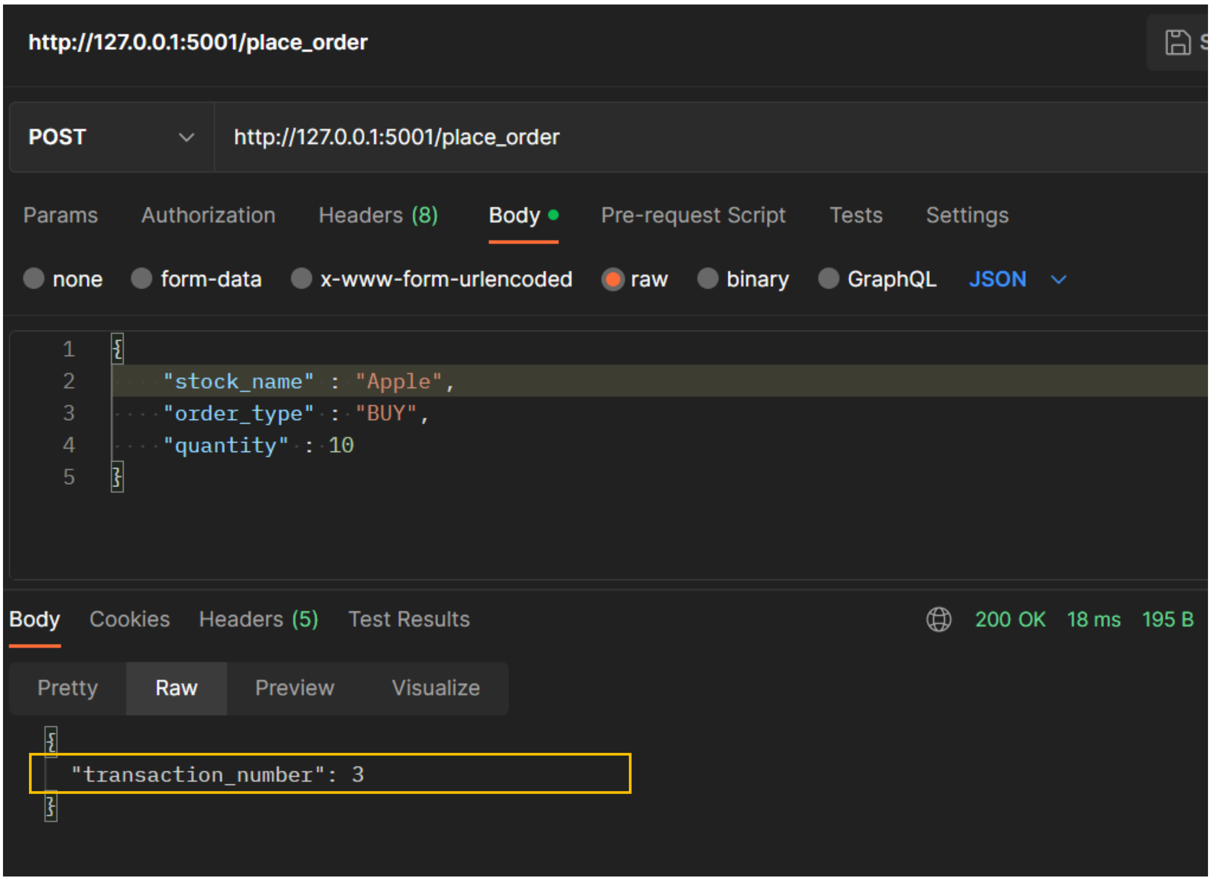
Medha Goel

A) Placing Order



	A	B	C	D	E
1	name	price	quantity		
2	Apple	999	100		
3	Samsung	799	100		
4	Google	599	100		
5	Sony	499	100		
6	Tesla	499	100		
7					

fig (1) : Initial Stock.csv



http://127.0.0.1:5001/place_order

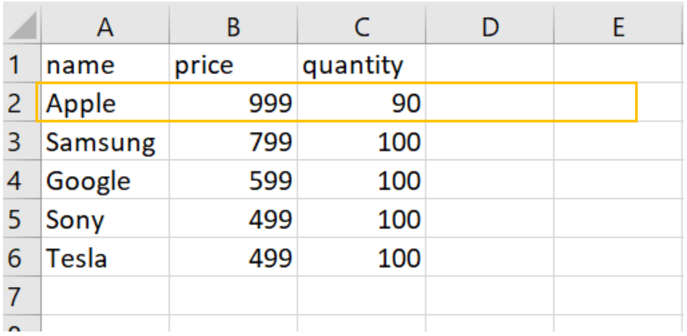
POST http://127.0.0.1:5001/place_order

```
{
    "stock_name" : "Apple",
    "order_type" : "BUY",
    "quantity" : 10
}
```

200 OK 18 ms 195 B

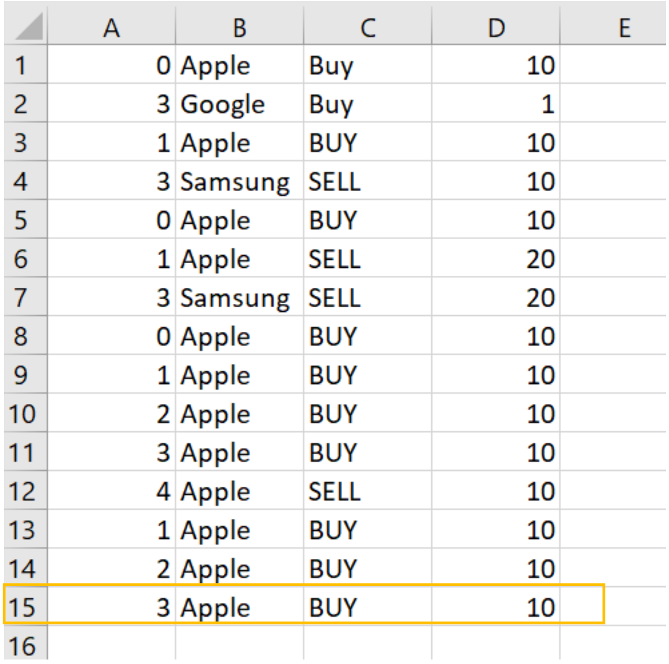
```
{
    "transaction_number": 3
}
```

fig (2) : Placing Order for Buying Apple Stocks



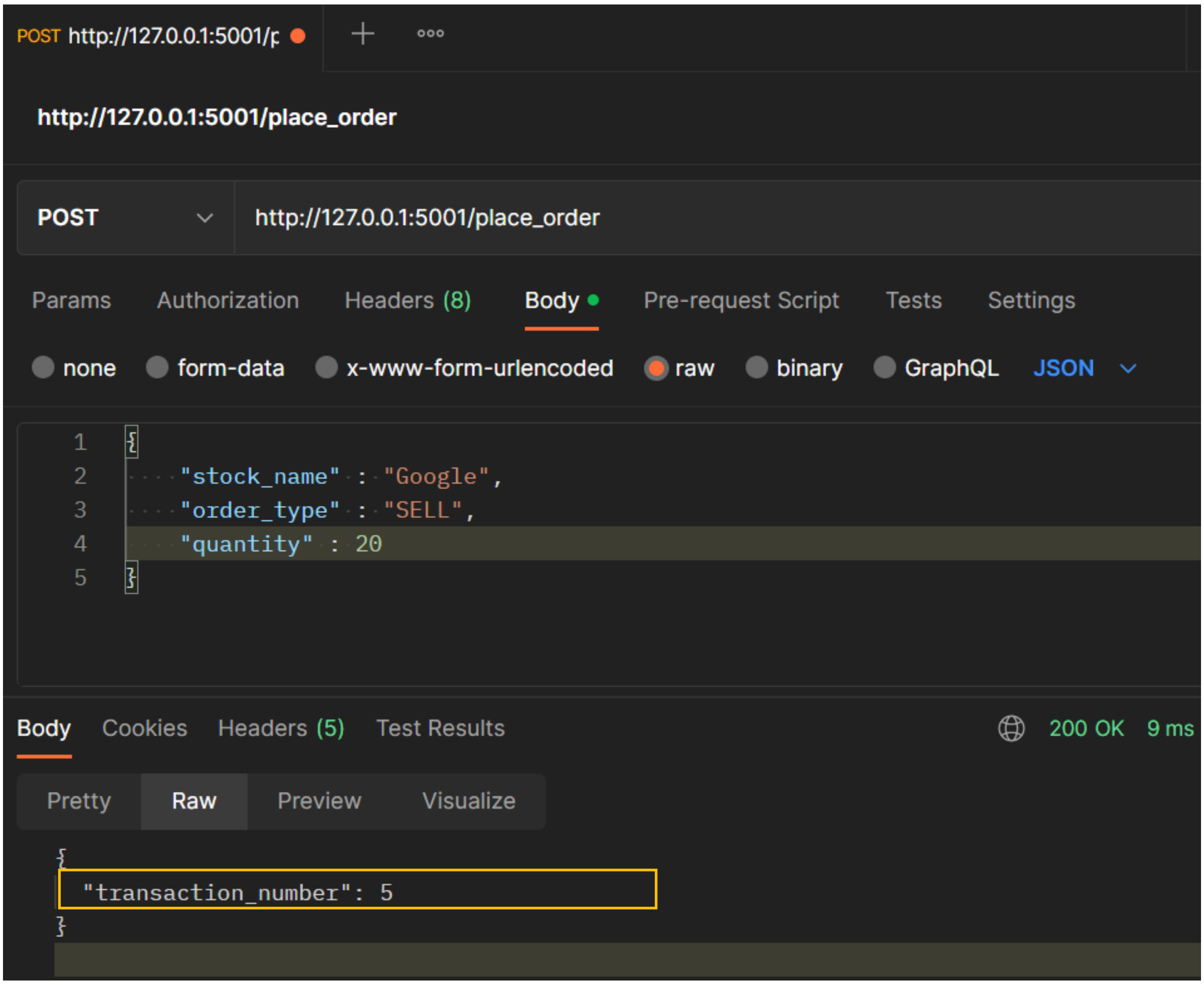
	A	B	C	D	E
1	name	price	quantity		
2	Apple	999	90		
3	Samsung	799	100		
4	Google	599	100		
5	Sony	499	100		
6	Tesla	499	100		
7					

fig (3) : Apple stocks reduced by 10 in Stock.csv



	A	B	C	D	E
1	0	Apple	Buy	10	
2	3	Google	Buy	1	
3	1	Apple	BUY	10	
4	3	Samsung	SELL	10	
5	0	Apple	BUY	10	
6	1	Apple	SELL	20	
7	3	Samsung	SELL	20	
8	0	Apple	BUY	10	
9	1	Apple	BUY	10	
10	2	Apple	BUY	10	
11	3	Apple	BUY	10	
12	4	Apple	SELL	10	
13	1	Apple	BUY	10	
14	2	Apple	BUY	10	
15	3	Apple	BUY	10	
16					

fig (4) : Transaction 3 visible in order_log.csv



POST http://127.0.0.1:5001/place_order

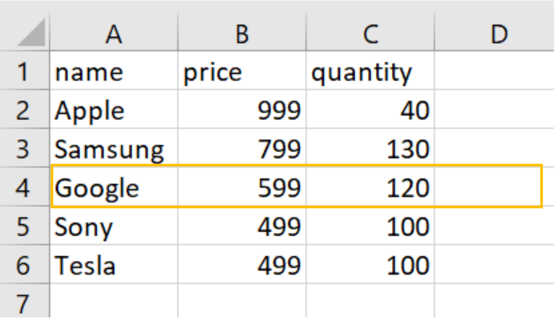
○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
    "stock_name" : "Google",
    "order_type" : "SELL",
    "quantity" : 20
}
```

200 OK 9 ms

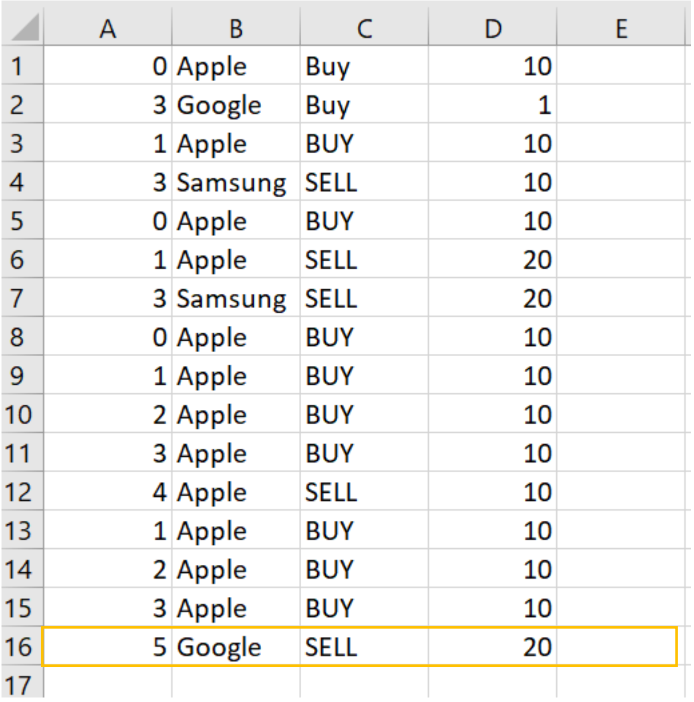
```
{
  "transaction_number": 5
}
```

fig (5) : Placing Order for Selling Google Stocks



	A	B	C	D
1	name	price	quantity	
2	Apple	999	40	
3	Samsung	799	130	
4	Google	599	120	
5	Sony	499	100	
6	Tesla	499	100	
7				

fig (6) : Google stocks increased by 20 in Stock.csv

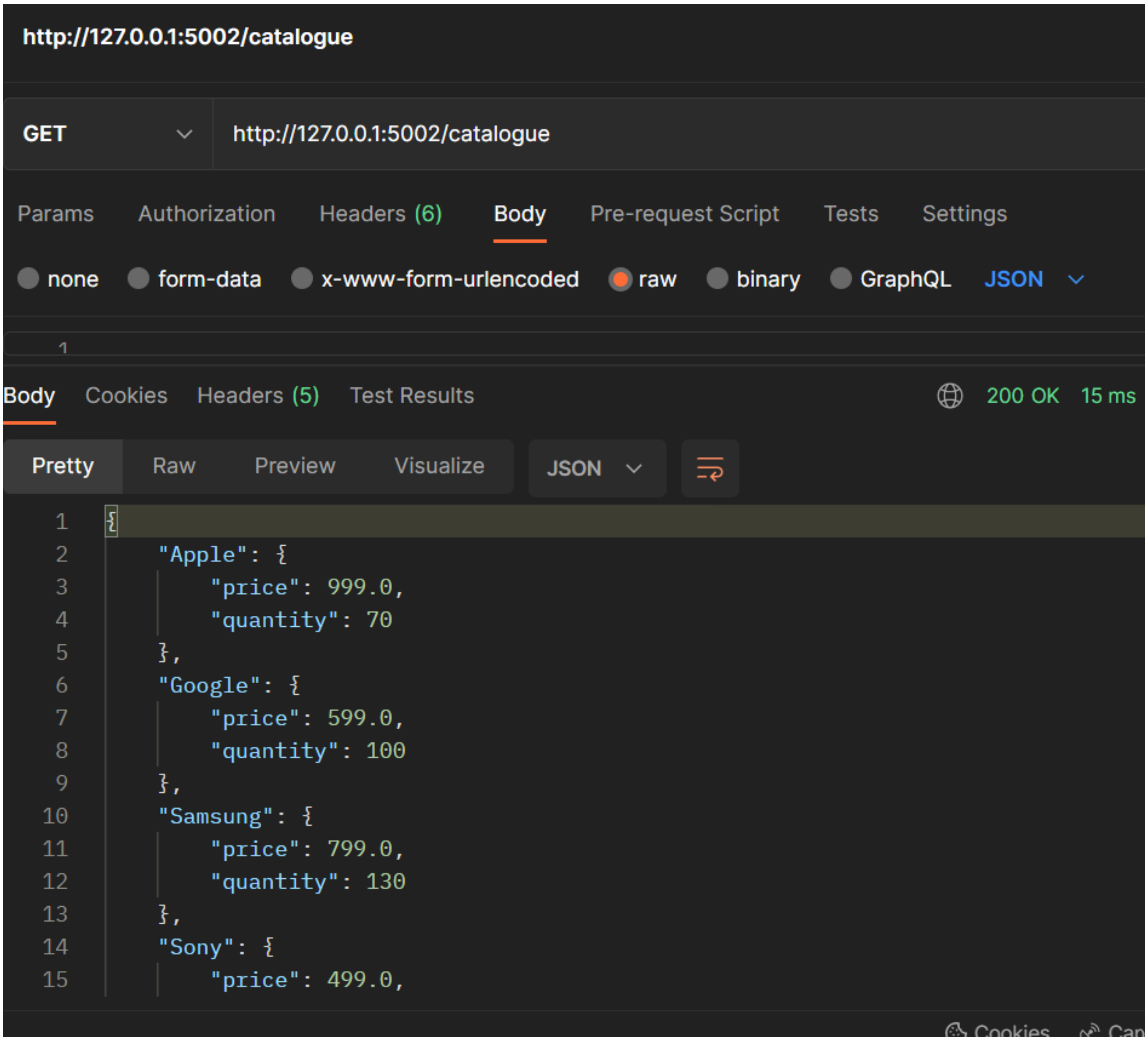


	A	B	C	D	E
1	0	Apple	Buy	10	
2	3	Google	Buy	1	
3	1	Apple	BUY	10	
4	3	Samsung	SELL	10	
5	0	Apple	BUY	10	
6	1	Apple	SELL	20	
7	3	Samsung	SELL	20	
8	0	Apple	BUY	10	
9	1	Apple	BUY	10	
10	2	Apple	BUY	10	
11	3	Apple	BUY	10	
12	4	Apple	SELL	10	
13	1	Apple	BUY	10	
14	2	Apple	BUY	10	
15	3	Apple	BUY	10	
16	5	Google	SELL	20	
17					

fig (7) : Transaction 5 visible in order_log.csv

B) Catalogue: Pulling Stock Information

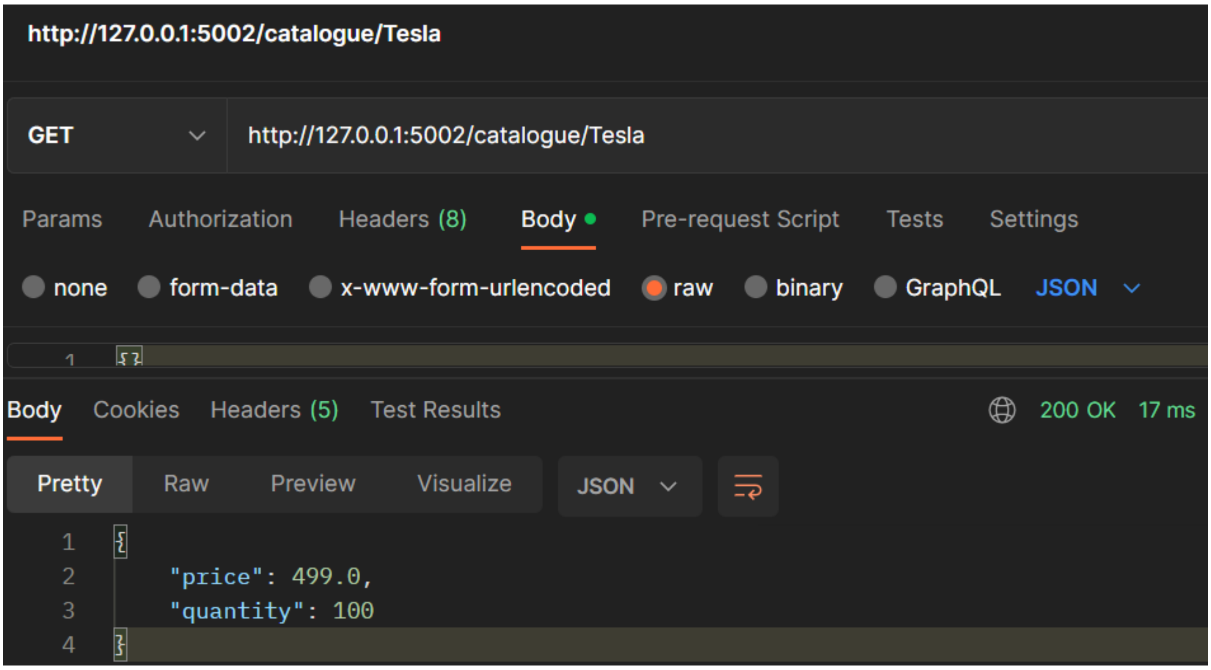
Full Stock Information



```
{
    "Apple": {
        "price": 999.0,
        "quantity": 70
    },
    "Google": {
        "price": 599.0,
        "quantity": 100
    },
    "Samsung": {
        "price": 799.0,
        "quantity": 130
    },
    "Sony": {
        "price": 499.0,
```

fig (8) : Full Stock Catalogue visible on Postman

Individual Stock Information



http://127.0.0.1:5002/catalogue/Tesla

GET http://127.0.0.1:5002/catalogue/Tesla

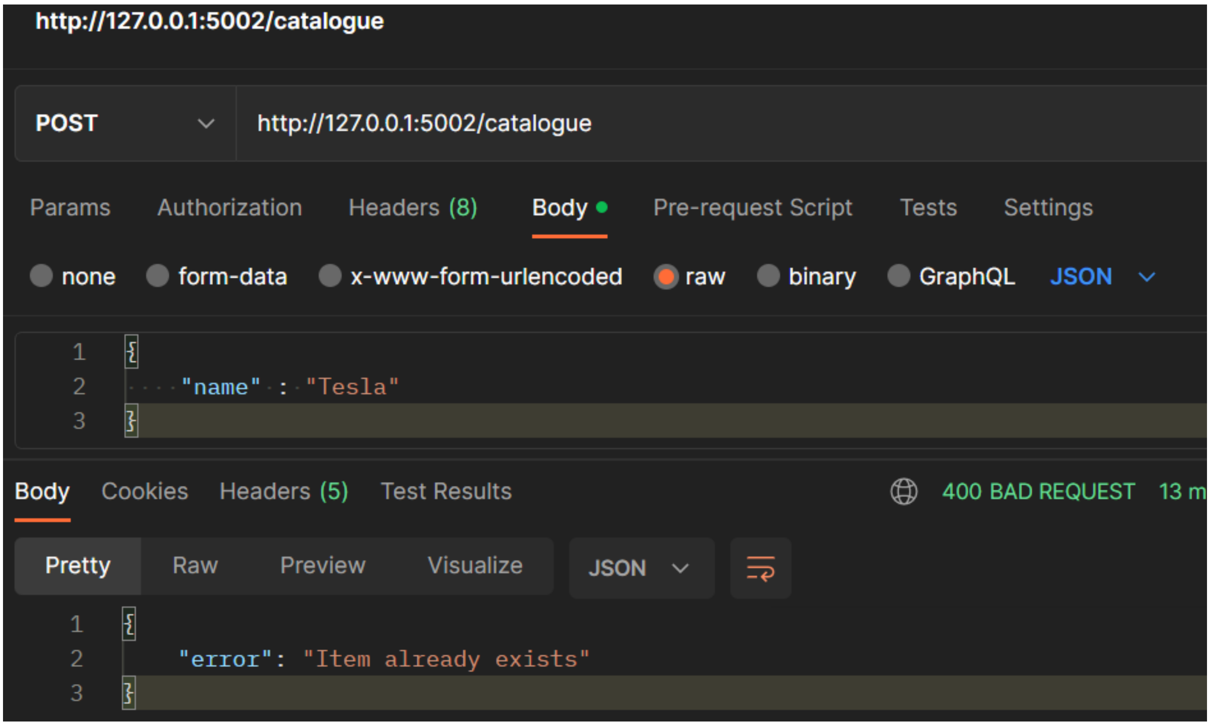
```
{}
```

200 OK 17 ms

```
{
    "price": 499.0,
    "quantity": 100
}
```

fig (9) : Price and Quantity information of Tesla on Postman

Adding New Stock



http://127.0.0.1:5002/catalogue

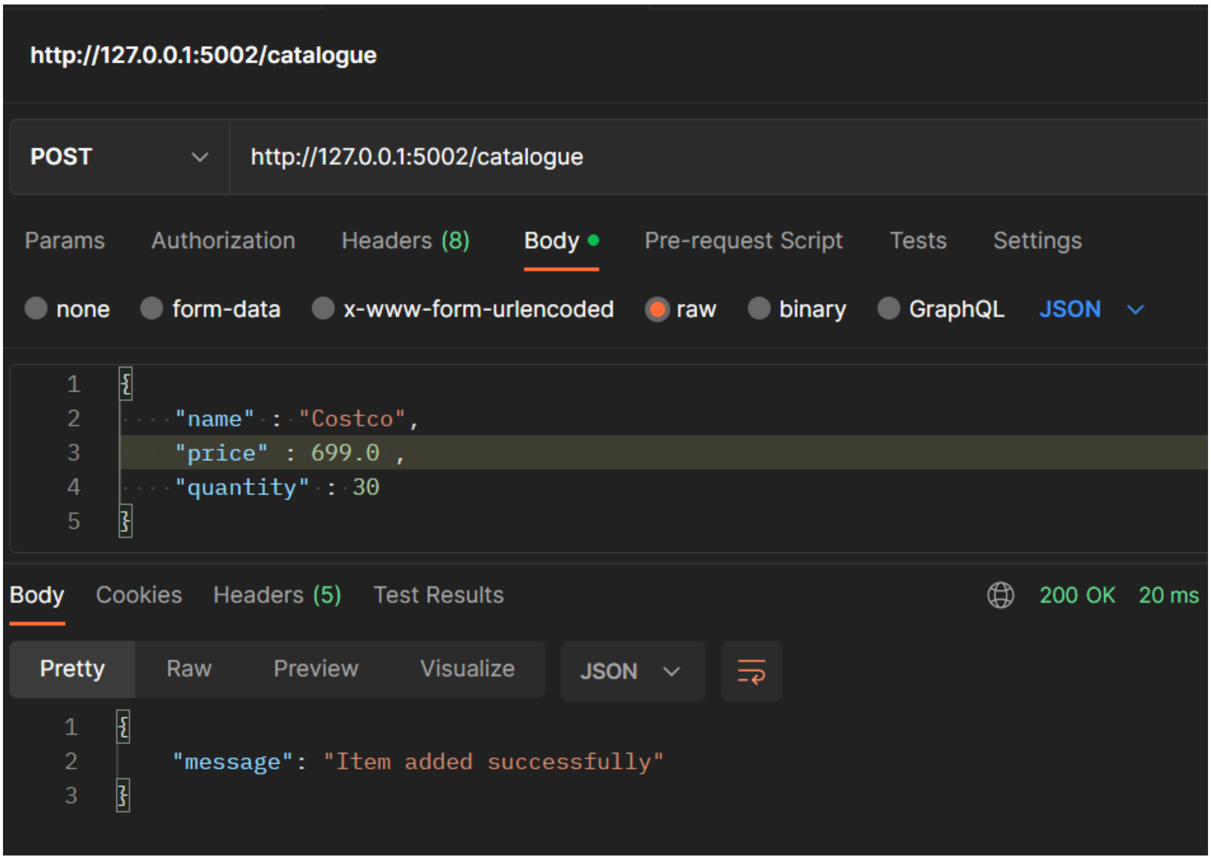
POST http://127.0.0.1:5002/catalogue

```
{
    "name" : "Tesla"
}
```

400 BAD REQUEST 13 m

```
{
    "error": "Item already exists"
}
```

fig (10) : Unable to add Tesla as it already exists in Stock.csv



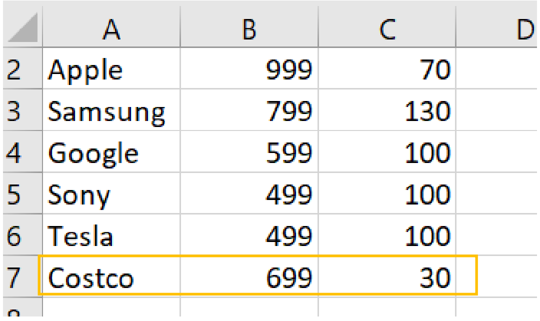
http://127.0.0.1:5002/catalogue

POST http://127.0.0.1:5002/catalogue

```
{
    "name" : "Costco",
    "price" : 699.0 ,
    "quantity" : 30
}
```

```
{
    "message": "Item added successfully"
}
```

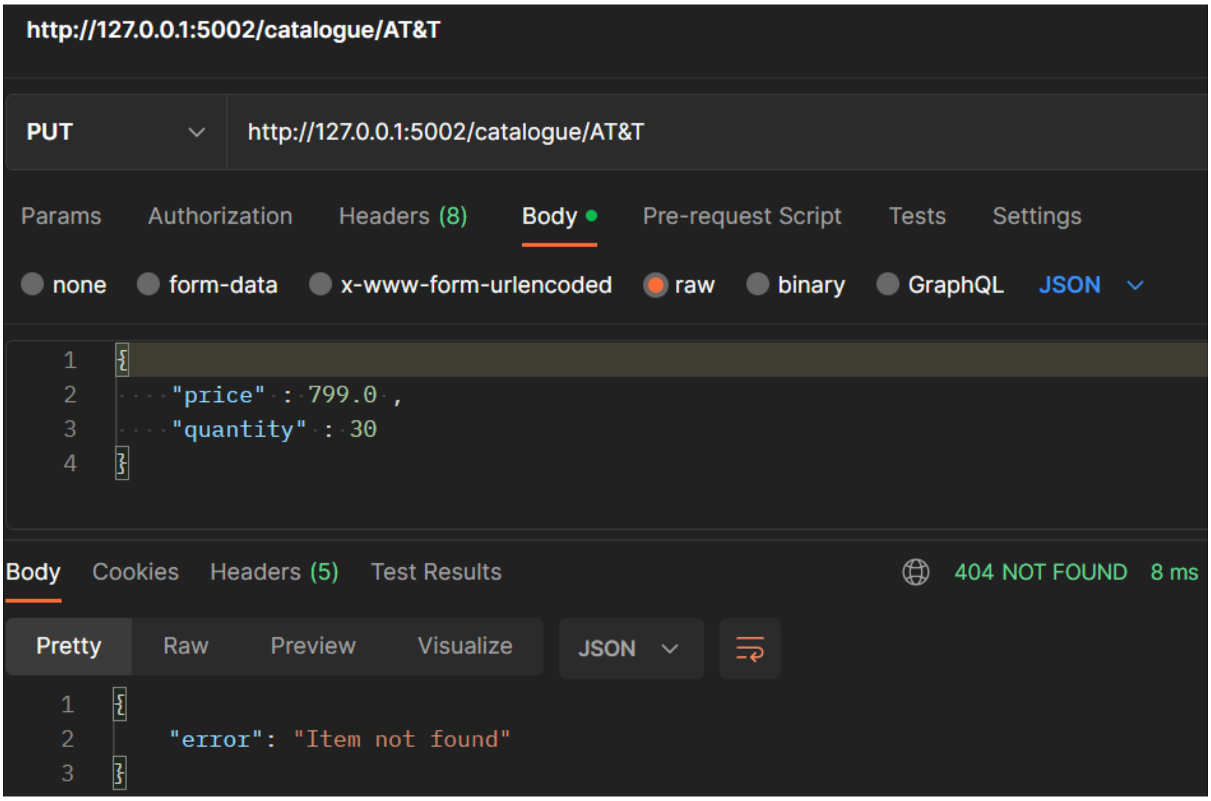
fig (11) : New stock Costco successfully added to Stock.csv



	A	B	C	D
2	Apple	999	70	
3	Samsung	799	130	
4	Google	599	100	
5	Sony	499	100	
6	Tesla	499	100	
7	Costco	699	30	

fig (12) : New stock Costco successfully added to Stock.csv

Updating Stock prices and quantity



http://127.0.0.1:5002/catalogue/AT&T

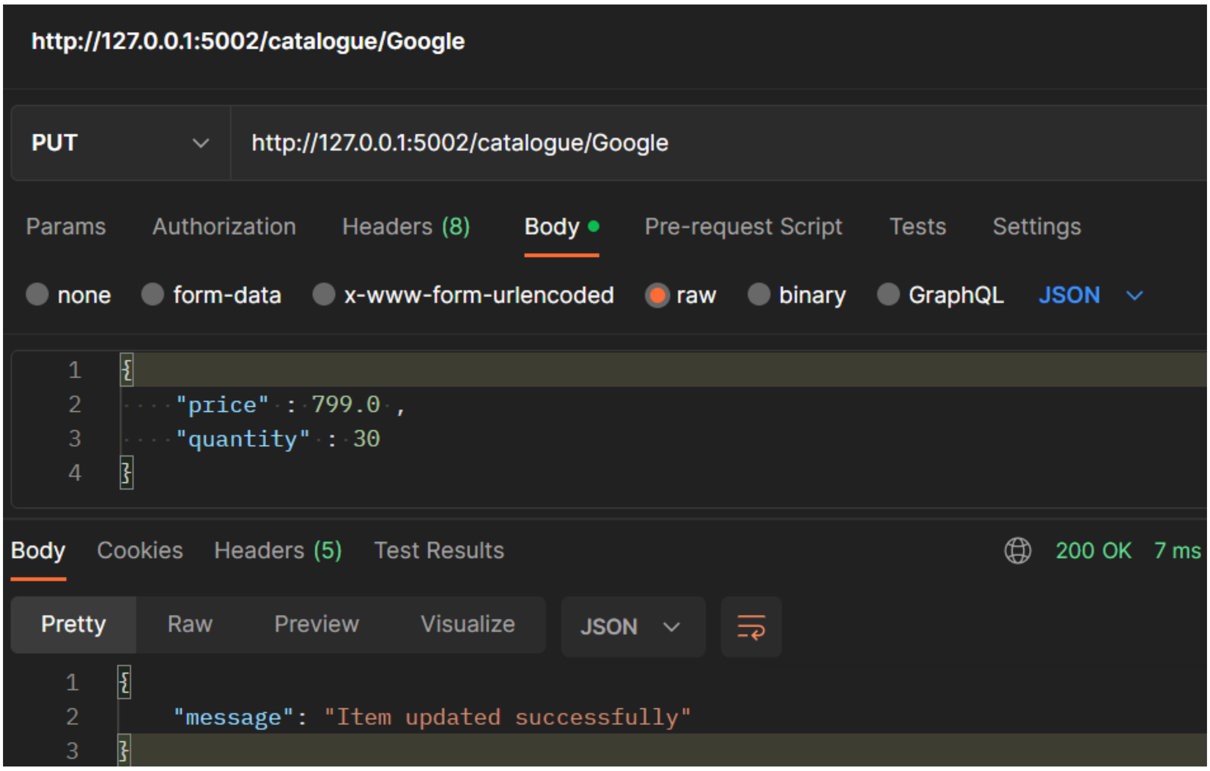
PUT http://127.0.0.1:5002/catalogue/AT&T

```
{
    "price" : 799.0 ,
    "quantity" : 30
}
```

404 NOT FOUND 8 ms

```
{
    "error": "Item not found"
}
```

fig (13) : As AT&T stocks are not available in the Stock.csv hence it can’t be updated



http://127.0.0.1:5002/catalogue/Google

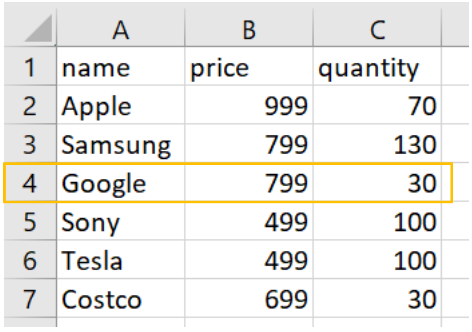
PUT http://127.0.0.1:5002/catalogue/Google

```
{
    "price" : 799.0 ,
    "quantity" : 30
}
```

200 OK 7 ms

```
{
    "message": "Item updated successfully"
}
```

fig (14) : As Google stocks successfully updated in Stock.csv file.



	A	B	C
1	name	price	quantity
2	Apple	999	70
3	Samsung	799	130
4	Google	799	30
5	Sony	499	100
6	Tesla	499	100
7	Costco	699	30

fig (15) : As Google stocks successfully updated in Stock.csv file.