Ragavi Rajkumar CB.EN.U4CSE19046

SET B- EVALUATION ONE : COMPUTER NETWORKS

AUGUST 5TH 2021

Topic: Socket programming using TCP-Single client, Single server

Create a file named FoodBill.xls with following details:

- Date ,foodid ,Category ,Quantity,cost, Totalcost.
- Provide details for 10 food items in the file.
- There can be details for more than one date for a food item.
- The foodid can start with A/D/I/B (ex:D00001)
- There will be a column named Category.

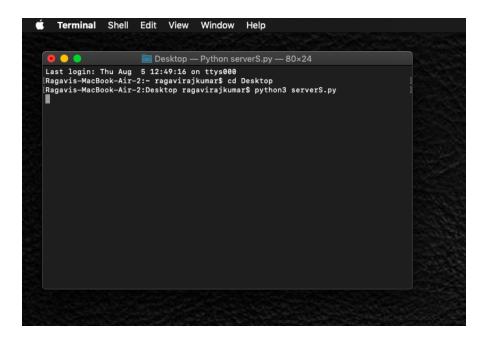
The .csv file:

Foodbill

Date	FoodId	Category	Quantity	Cost	Totalcost	
1/11/21	A00001		1	90		
3/4/20	D00003		3	345		
9/2/19	199041		5	23		
3/4/15	B22371		6	54		
7/8/19	D67902		2	65		
6/3/12	I13456		8	87		
6/4/12	108537		34	12		
9/10/14	A08527		12	65		
8/1/13	A99942		43	78		

Store this program on the server side.

At the client side display the following options





a. I- Insertion

On entering 'I' it should be possible to insert a new record in the file

```
[Ragavis-MacBook-Air-2:Desktop ragavirajkumar$ python3 clientS.py
Select you option
I.Insertion
M-Modification
V-View
U-Update
I
Enter Date :8/2/13
Enter FoodId : B55551
Enter Quantity :12
Enter Cost: 98
Successfully inserted new food item
Ragavis-MacBook-Air-2:Desktop ragavirajkumar$
```

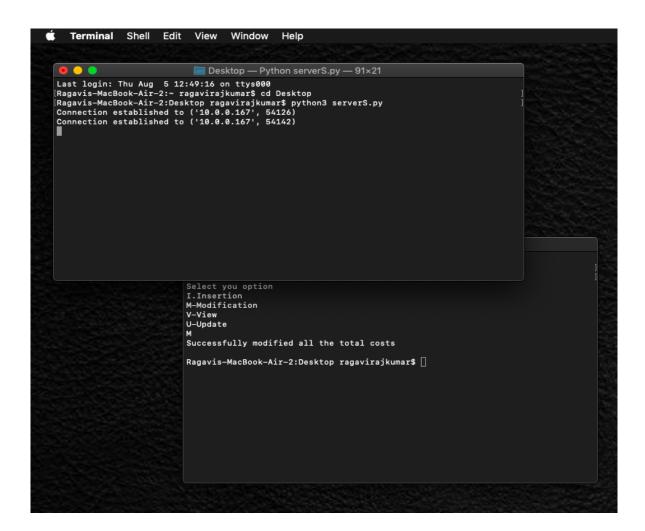
Foodbill

Date	Foodld	Category	Quantity	Cost	Totalcost	
1/11/21	A00001		1	90		
3/4/20	D00003		3	345		
9/2/19	199041		5	23		
3/4/15	B22371		6	54		
7/8/19	D67902		2	65		
6/3/12	I13456		8	87		
6/4/12	108537		34	12		
9/10/14	A08527		12	65		
8/1/13	A99942		43	78		
8/2/13	B55551		12	98		

After insertion: *the last row*

b. M-Modification

On entering 'M' it should be possible to modify TotalCost as cost*Quantity

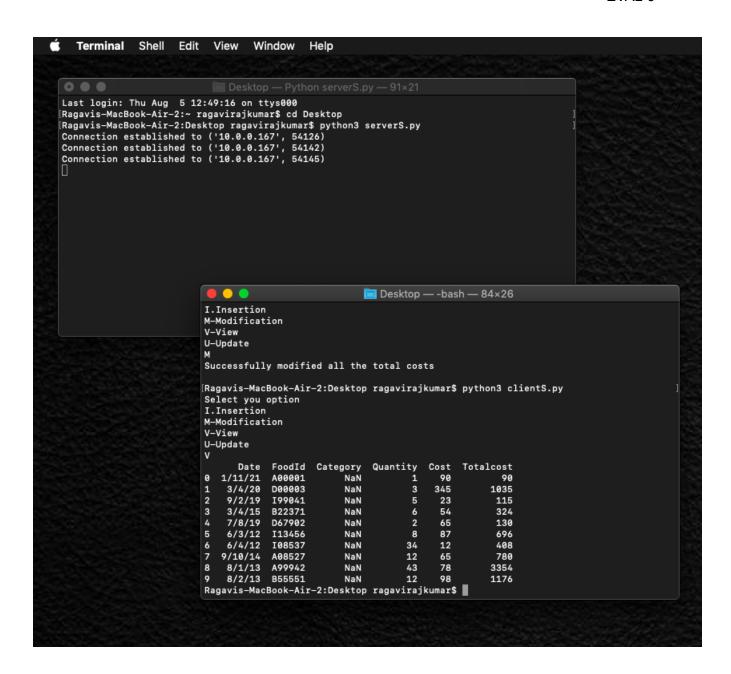


Foodbill

Date	FoodId	Category	Quantity	Cost	Totalcost
1/11/21	A00001		1	90	90
3/4/20	D00003		3	345	1035
9/2/19	199041		5	23	115
3/4/15	B22371		6	54	324
7/8/19	D67902		2	65	130
6/3/12	l13456		8	87	696
6/4/12	108537		34	12	408
9/10/14	A08527		12	65	780
8/1/13	A99942		43	78	3354
8/2/13	B55551		12	98	1176

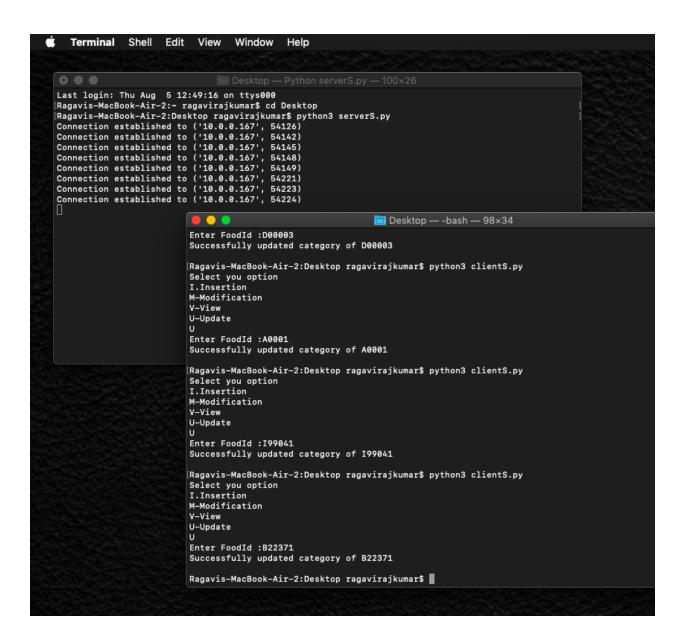
c. V-View

On entering 'V' it should be possible to view the records in the file



d. U-Update

On entering 'U' it should be possible to update the Category as below:



- i. If foodid starts with D the category is Dosa
- ii. If foodid starts with A the category is Apple
- iii. If foodid starts with B the category is Briyani
- iv. If foodid starts with I the category is Italian

Foodbill

Date	Foodld	Category	Quantity	Cost	Totalcost
1/11/21	A00001	Apple	1	90	90
3/4/20	D00003	Dosa	3	345	1035
9/2/19	199041	Italian	5	23	115
3/4/15	B22371	Biryani	6	54	324
7/8/19	D67902		2	65	130
6/3/12	I13456		8	87	696
6/4/12	108537		34	12	408
9/10/14	A08527		12	65	780
8/1/13	A99942		43	78	3354
8/2/13	B55551		12	98	1176