

```
products.txt
pID,TYPE,NAME,BRAND,PRICE
1,D,Ayran,Sutas,20.50
2,F,Simit,Firin,8.00
3,C,Deterjan,Ariel,35.00
4,O,Pecete,Selpak,15.00
5,D,Kola,CocaCol,12.00
6,F,Borek,Cigdem,25.00
7,C,Sampuan,Pantene,28.00
8,O,Kibrit,Cesitli,5.00
9,D,Su,Erikli,10.00
10,F,Kek,Eti,9.00
11,C,Sabun,Lux,12.00
12,O,Mum,Ikea,18.00
13,D,MeyveSuyu,Dimes,8.00
14,O,Kalem,Faber,12.50
15,D,Gazoz,Uludag,7.50
16,F,Makarna,Torku,20.00
17,O,Silgi,Mono,7.00
18,o,phone,iphone,14000.00
```

```
Welcome to submenu of file operations, please select an option to continue:
1- Add a new product
2- Delete a product
3- Update a product
4- Add feature to products
5- Add a new stock entry
6- Delete a stock entry
7- Update a stock entry
8- Back to main menu
1
Enter TYPE of product: D
Enter NAME of product: Salgam
Enter BRAND of product: Haci
Enter PRICE of product: 13.40
New product successfully added!
```

```
pID,TYPE,NAME,BRAND,PRICE
1,D,Ayran,Sutas,20.50
2,F,Simit,Firin,8.00
3,C,Deterjan,Ariel,35.00
4,O,Pecete,Selpak,15.00
5,D,Kola,CocaCol,12.00
6,F,Borek,Cigdem,25.00
7,C,Sampuan,Pantene,28.00
8,O,Kibrit,Cesitli,5.00
9,D,Su,Erikli,10.00
10,F,Kek,Eti,9.00
11,C,Sabun,Lux,12.00
12,O,Mum,Ikea,18.00
13,D,MeyveSuyu,Dimes,8.00
14,O,Kalem,Faber,12.50
15,D,Gazoz,Uludag,7.50
16,F,Makarna,Torku,20.00
17,O,Silgi,Mono,7.00
18,o,phone,iphone,14000.00
19,D,Salgam,Haci,13.40
```

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1,D,Ayran,Sutas,20.50
2,F,Simit,Firin,8.00
3,C,Deterjan,Ariel,35.00
4,O,Pecete,Selpak,15.00
5,D,Kola,CocaCol,12.00
6,F,Borek,Cigdem,25.00
7,C,Sampuan,Pantene,28.00
8,O,Kibrit,Cesitli,5.00
9,D,Su,Erikli,10.00
10,F,Kek,Eti,9.00
11,C,Sabun,Lux,12.00
12,O,Mum,Ikea,18.00
13,D,MeyveSuyu,Dimes,8.00
14,O,Kalem,Faber,12.50
15,D,Gazoz,Uludag,7.50
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17,O,Silgi,Mono,7.00
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2
pID of the product wanted to be deleted: 18
Product succesfully deleted!
```

```
pID,TYPE,NAME,BRAND,PRICE
1,D,Ayran,Sutas,20.50
2,F,Simit,Firin,8.00
3,C,Deterjan,Ariel,35.00
4,O,Pecete,Selpak,15.00
5,D,Kola,CocaCol,12.00
6,F,Borek,Cigdem,25.00
7,C,Sampuan,Pantene,28.00
8,O,Kibrit,Cesitli,5.00
9,D,Su,Erikli,10.00
10,F,Kraker,Eti,9.00
11,C,Sabun,Lux,12.00
12,O,Mum,Ikea,18.00
13,D,MeyveSuyu,Dimes,8.00
14,O,Kalem,Faber,12.50
15,D,Gazoz,Uludag,7.50
16,F,Makarna,Torku,20.00
17,O,Silgi,Mono,7.00
18,D,Salgam,Haci,13.40
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7- Update a stock entry
8- Back to main menu
4
Enter the name of the new feature: Color
New Feature succesfully added!
```

```
pID,TYPE,NAME,BRAND,PRICE,Color
1,D,Ayran,Sutas,20.50,None
2,F,Simit,Firin,8.00,None
3,C,Deterjan,Ariel,35.00,None
4,O,Pecete,Selpak,15.00,None
5,D,Kola,CocaCol,12.00,None
6,F,Borek,Cigdem,25.00,None
7,C,Sampuan,Pantene,28.00,None
8,O,Kibrit,Cesitli,5.00,None
9,D,Su,Erikli,10.00,None
10,F,Kraker,Eti,9.00,None
11,C,Sabun,Lux,12.00,None
12,O,Mum,Ikea,18.00,None
13,D,MeyveSuyu,Dimes,8.00,None
14,O,Kalem,Faber,12.50,None
15,D,Gazoz,Uludag,7.50,None
16,F,Makarna,Torku,20.00,None
17,O,Silgi,Mono,7.00,None
18,D,Salgam,Haci,13.40,None
```

Welcome to submenu of file operations, please select an option to continue:

```
1- Add a new product
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5- Add a new stock entry
6- Delete a stock entry
7- Update a stock entry
8- Back to main menu
5
Enter pID of stock: 14
Enter branch of stock: Bolu
Enter current stock of product: 200
New stock successfully added!
```

Welcome to submenu of file operations, please select an option to continue:

```
1- Add a new product
2- Delete a product
3- Update a product
4- Add feature to products
5- Add a new stock entry
6- Delete a stock entry
7- Update a stock entry
8- Back to main menu
3
ID of the product wanted to be updated: 10
Select the feature you want to update:
1-TYPE
2-NAME
3-BRAND
4-PRICE
2
Enter the new feature: Kraker
Product succesfully updated!
```

```
sID,pID,branch,current_stock
1,3,Istanbul,100
2,5,Kocaeli,51
3,15,Ankara,75
4,7,Izmir,60
5,2,Bursa,40
6,10,Antalya,80
7,4,Gaziantep,30
8,8,Kayseri,50
9,13,Mersin,45
10,18,Samsun,55
11,15,migros,123
12,14,Merzifon,0
13,12,Izmit,123
14,3,Ankara,150
15,1,Istanbul,30
16,4,Istanbul,0
17,7,Istanbul,0
19,14,Bolu,200
```

```
sID,pID,branch,current_stock
1,3,Istanbul,100
2,5,Kocaeli,51
3,15,Ankara,75
4,2,Bursa,40
5,10,Antalya,80
6,4,Gaziantep,30
7,8,Kayseri,50
8,13,Mersin,45
9,18,Samsun,55
10,15,migros,123
11,14,Merzifon,0
12,12,Izmit,123
13,3,Ankara,150
14,1,Istanbul,30
15,4,Istanbul,0
16,7,Istanbul,0
|
```

Welcome to submenu of file operations, please select an option to continue:

- 1- Add a new product
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- 6- Delete a stock entry
- 7- Update a stock entry
- 8- Back to main menu

6

sID of the stock wanted to be deleted: 4

Stock succesfully deleted!

Welcome to submenu of check stock, please select

1. Query stock of a product in a branch
2. List stock of all products in a branch
3. List out-of-stock products in a branch
4. Return to main menu

3

Enter the branch: Istanbul

List of out of stocks product in the branch:

,4,Istanbul,0

,7,Istanbul,0

```

2
Welcome operator submenu of query products, please select an option to conti
1- List all products
2- Filter products
3- Back to main menu
1
pID,TYPE,NAME,BRAND,PRICE,Color
1,D,Ayran,Sutas,20.50,None
2,F,Simit,Firin,8.00,None
3,C,Deterjan,Ariel,35.00,None
4,O,Pecete,Selpak,15.00,None
5,D,Kola,CocaCol,12.00,None
6,F,Borek,Cigdem,25.00,None
7,C,Sampuan,Pantene,28.00,None
8,O,Kibrit,Cesitli,5.00,None
9,D,Su,Erikli,10.00,None
10,F,Kraker,Eti,9.00,None
11,C,Sabun,Lux,12.00,None
12,O,Mum,Ikea,18.00,None
13,D,MeyveSuyu,Dimes,8.00,None
14,O,Kalem,Faber,12.50,None
15,D,Gazoz,Uludag,7.50,None
16,F,Makarna,Torku,20.00,None
17,O,Silgi,Mono,7.00,None
18,D,Salgam,Haci,13.00,None

```

```

Welcome to submenu of check stock, please select
1. Query stock of a product in a branch
2. List stock of all products in a branch
3. List out-of-stock products in a branch
4. Return to main menu
3
Enter the branch: Istanbul
List of out of stocks product in the branch:
15,4,Istanbul,0
16,7,Istanbul,0

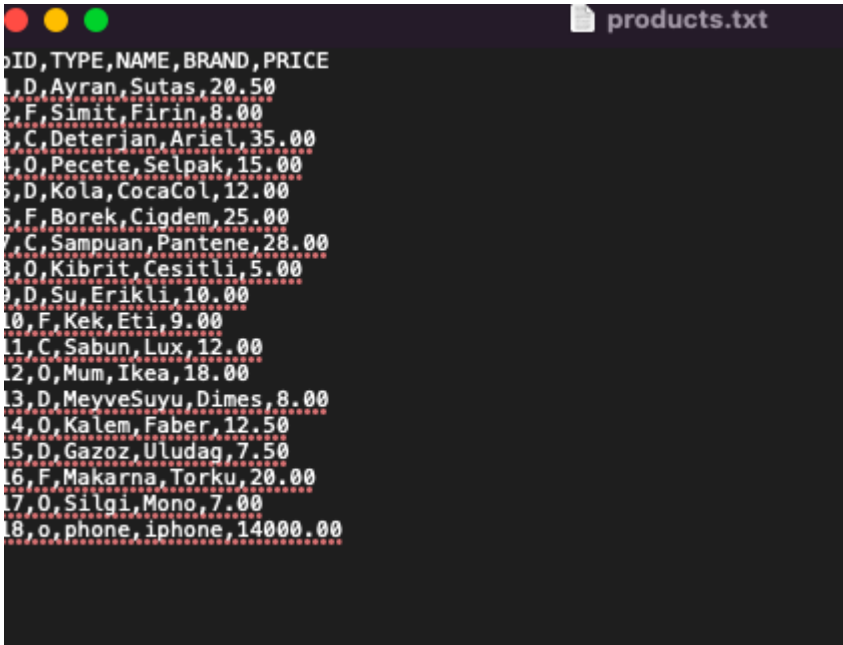
```

```

Welcome to submenu of file operations, please select an option to continu
- Add a new product
- Delete a product
- Update a product
- Add feature to products
- Add a new stock entry
- Delete a stock entry
- Update a stock entry
- Back to main menu
}
Returning to the main menu...
Welcome operator, please select an option to continue:
- File Operations
- Query products
- Check stock status
- Stock control by brand
- Export report

```

```
Welcome operator, please select an option
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export report
4
Enter the brand for the list: Sutas
Sutas pID: 1 price: 20.50 total stock: 20
```



```
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15,D,Gazoz,Uludag,7.50
16,F,Makarna,Torku,20.00
17,O,Silgi,Mono,7.00
18,o,phone,iphone,14000.00
```