```
Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor
1

-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.
1
Please enter the type, name, brand and price of the product.
Type (D, F, C, O): O
Name: Sarj
Brand: Apple
Price: 199.99

You added a new product!

-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.
```

```
1,D,Ayran,Sutas,20.50
2,F,Simit,Firin,8.00
3,D,Cay,Liptn,15.00
4,F,Pizza,Domis,45.00
5,O,Kalem,Faber,12.50
6,O,Silgi,Mono,5.00
7,D,Kahve,Necfe,18.00
8,F,Hmbgr,Burgr,35.00
9,D,Sut,Pinar,10.00
10,F,Ekmek,Yenbo,6.00
11,F,Makrn,Eti,20.00
12,F,Yogrt,Eti,12.00
13,F,Pogca,Saray,10.00
14,O,Klik,Karto,25.00
15,D,MeySu,Dimes,8.00
16,F,Pilav,Nefis,30.00
17,F,Peynr,Kaan,22.00
18,F,Kurab,Eti,9.00
19,O,Ktras,Metal,7.50
20,D,Soda,Camca,6.50
21,F,Tost,Tostu,28.00
22,F,Bal,Balci,35.00
23,F,Cips,Lays,12.00
24,O,Kagit,kgtci,15.00
25,D,Lmnta,Eti,10.00
26,F,Mantı,Kysri,40.00
27,F,Tryag,Pinar,18.00
28,F,Cik,Ulker,8.50
29,F,BCips,Lays,18.00
30,O,Sarj,Apple,199.99
```

```
1,D,Ayran,Sutas,20.50
2,F,Simit,Firin,8.00
3,D,Cay,Liptn,15.00
4,F,Pizza,Domis,45.00
5,O,Silgi,Mono,5.00
6,D,Kahve,Necfe,18.00
7,F,Hmbgr,Burgr,35.00
8,D,Sut,Pinar,10.00
9,F,Ekmek,Yenbo,6.00
10,F,Makrn,Eti,20.00
11,F,Yogrt,Eti,12.00
12,F,Pogca,Saray,10.00
13,O,Klik,Karto,25.00
14,D,MeySu,Dimes,8.00
15,F,Pilav,Nefis,30.00
16,F,Peynr,Kaan,22.00
17,F,Kurab,Eti,9.00
18,O,Ktras,Metal,7.50
19,D,Soda,Camca,6.50
20,F,Tost,Tostu,28.00
21,F,Bal,Balci,35.00
22,F,Cips,Lays,12.00
23,O,Kagit,kgtci,15.00
24,D,Lmnta,Eti,10.00
25,F,Mantı,Kysri,40.00
26,F,Tryag,Pinar,18.00
27,F,Cik,Ulker,8.50
28,F,BCips,Lays,18.00
29,O,Sarj,Apple,199.99
```

Brand: Apple
Price: 199.99

You added a new product!

-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.
2
Please enter the pID that you want to delete: 5

5. pID deleted!

-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.
3
Which pID do you want to update?15
Which feature do you want to update? (pID can not be updated).
1. Type
2. Name
3. Brand
4. Price
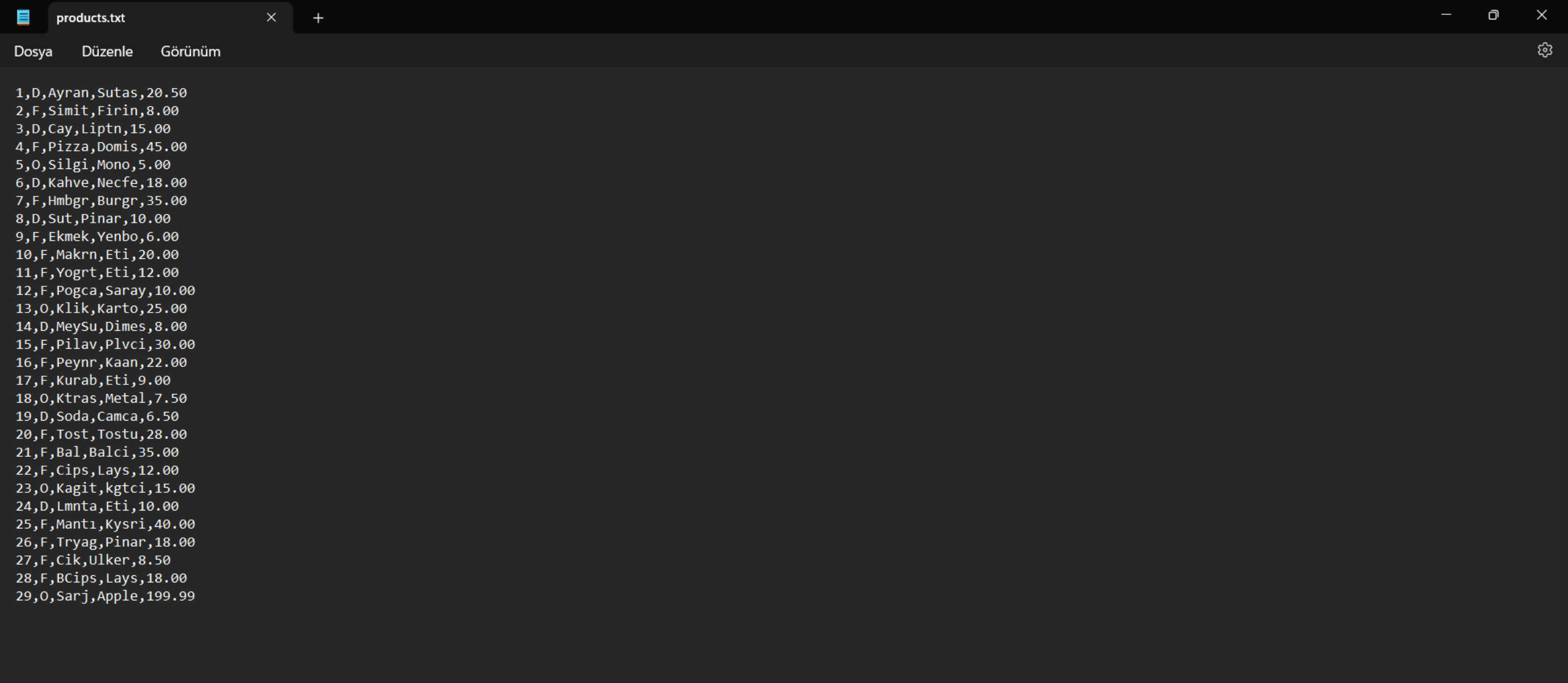Please enter the feature: 3
What is the new brand of the product?
Please enter: Plvci
Updating is done!

-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.

```
1,D,Ayran,Sutas,20.50
2,F,Simit,Firin,8.00
3,D,Cay,Liptn,15.00
4,F,Pizza,Domis,45.00
5,O,Silgi,Mono,5.00
6,D,Kahve,Necfe,18.00
7,F,Hmbgr,Burgr,35.00
8,D,Sut,Pinar,10.00
9,F,Ekmek,Yenbo,6.00
10,F,Makrn,Eti,20.00
11,F,Yogrt,Eti,12.00
12,F,Pogca,Saray,10.00
13,O,Klik,Karto,25.00
14,D,MeySu,Dimes,8.00
15,F,Pilav,Plvci,30.00
16,F,Peynr,Kaan,22.00
17,F,Kurab,Eti,9.00
18,O,Ktras,Metal,7.50
19,D,Soda,Camca,6.50
20,F,Tost,Tostu,28.00
21,F,Bal,Balci,35.00
22,F,Cips,Lays,12.00
23,O,Kagit,kgtci,15.00
24,D,Lmnta,Eti,10.00
25,F,Mantı,Kysri,40.00
26,F,Tryag,Pinar,18.00
27,F,Cik,Ulker,8.50
28,F,BCips,Lays,18.00
29,O,Sarj,Apple,199.99
```

3
Which pID do you want to update?15
Which feature do you want to update? (pID can not be updated).
1. Type
2. Name
3. Brand
4. Price
Please enter the feature: 3
What is the new brand of the product?
Please enter: Plvci
Updating is done!

-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.
5
Please enter the pID, branch and current stock of the product.
pID: 8
Branch name: Gebze
Stock: 41

New stock entry is done!

-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.

```
1,3,Istanbul,100
2,12,Kocaeli,51
3,15,Ankara,75
4,7,Izmir,60
5,19,Coca,40
6,10,Antalya,80
7,4,Gaziantep,30
8,8,Kayseri,50
9,13,Mersin,45
10,20,Samsun,55
11,3,Samsun,22
12,3,Mersin,150
13,3,Gaziantep,87
14,13,Corum,17
15,8,Gebze,41
```

```
1,3,Istanbul,100
2,12,Kocaeli,51
3,15,Ankara,75
4,7,Izmir,60
5,10,Antalya,80
6,4,Gaziantep,30
7,8,Kayseri,50
8,13,Mersin,45
9,20,Samsun,55
10,3,Samsun,22
11,3,Mersin,150
12,3,Gaziantep,87
13,13,Corum,17
14,8,Gebze,41
```

3- Check stock status
4- Stock control by brand
5- Export repor
1

-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.
7
Which sID do you want to update?
Please enter: 8
Which feature do you want to update? (sID and pID can not be updated).
1. Branch
2. Current Stock
Please enter the feature: 1
What is the new branch of the product?
Please enter: Agri
Updating is done!

```
1,3,Istanbul,100
2,12,Kocaeli,51
3,15,Ankara,75
4,7,Izmir,60
5,10,Antalya,80
6,4,Gaziantep,30
7,8,Kayseri,50
8,13,Agri,45
9,20,Samsun,55
10,3,Samsun,22
11,3,Mersin,150
12,3,Gaziantep,87
13,13,Corum,17
14,8,Gebze,41
```

```
-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.
7
Which sID do you want to update?
Please enter: 2
Which feature do you want to update? (sID and pID can not be updated).
1. Branch
2. Current Stock
Please enter the feature: 2
What is the new stock of the product?
Please enter: 1875
Updating is done!

-------FILE OPERATIONS-------
1- Add a new product.
2- Delete a product.
3- Update a product.
4- Add feature to product.
5- Add a new stock entry.
6- Delete a stock entry.
7- Update a stock entry.
8- Back to the main menu.
```

```
1,3,Istanbul,100
2,12,Kocaeli,1875
3,15,Ankara,75
4,7,Izmir,60
5,10,Antalya,80
6,4,Gaziantep,30
7,8,Kayseri,50
8,13,Agri,45
9,20,Samsun,55
10,3,Samsun,22
11,3,Mersin,150
12,3,Gaziantep,87
13,13,Corum,17
14,8,Gebze,41
```

4- Stock control by brand
5- Export repor
2

-------QUERY PRODUCTS-------
1. List all products
2. Filter products by brand, type, price, or a user-defined feature
3. Back to main menu.
1
All the products:
1,D,Ayran,Sutas,20.50
2,F,Simit,Firin,8.00
3,D,Cay,Liptn,15.00
4,F,Pizza,Domis,45.00
5,O,Silgi,Mono,5.00
6,D,Kahve,Necfe,18.00
7,F,Hmbgr,Burgr,35.00
8,D,Sut,Pinar,10.00
9,F,Ekmek,Yenbo,6.00
10,F,Makrn,Eti,20.00
11,F,Yogrt,Eti,12.00
12,F,Pogca,Saray,10.00
13,O,Klik,Karto,25.00
14,D,MeySu,Dimes,8.00
15,F,Pilav,Plvci,30.00
16,F,Peynr,Kaan,22.00
17,F,Kurab,Eti,9.00
18,O,Ktras,Metal,7.50
19,D,Soda,Camca,6.50
20,F,Tost,Tostu,28.00
21,F,Bal,Balci,35.00
22,F,Cips,Lays,12.00
23,O,Kagit,kgtci,15.00
24,D,Lmnta,Eti,10.00
25,F,Mant— ,Kysri,40.00
26,F,Tryag,Pinar,18.00
27,F,Cik,Ulker,8.50
28,F,BCips,Lays,18.00
29,O,Sarj,Apple,199.99

Welcome to operator, please select an option to continue:

```
22,F,Cips,Lays,12.00
23,O,Kagit,kgtci,15.00
24,D,Lmnta,Eti,10.00
25,F,Mant— ,Kysri,40.00
26,F,Tryag,Pinar,18.00
28,F,BCips,Lays,18.00
29,O,Sarj,Apple,199.99

Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor
2

-------QUERY PRODUCTS-------
1. List all products
2. Filter products by brand, type, price, or a user-defined feature
3. Back to main menu.
2
Enter the filters (type,brand,price_min,price_max): type,F,brand,Eti
10,F,Makrn,Eti,20.00
11,F,Yogrt,Eti,12.00
17,F,Kurab,Eti,9.00

Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor
```

```
10,F,Makrn,Eti,20.00
11,F,Yogrt,Eti,12.00
17,F,Kurab,Eti,9.00

Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor
2


-------QUERY PRODUCTS-------
1. List all products
2. Filter products by brand, type, price, or a user-defined feature
3. Back to main menu.
2
Enter the filters (type,brand,price_min,price_max): price_min,15
1,D,Ayran,Sutas,20.50
3,D,Cay,Liptn,15.00
4,F,Pizza,Domis,45.00
6,D,Kahve,Necfe,18.00
7,F,Hmbgr,Burgr,35.00
10,F,Makrn,Eti,20.00
13,O,Klik,Karto,25.00
15,F,Pilav,Plvci,30.00
16,F,Peynr,Kaan,22.00
20,F,Tost,Tostu,28.00
21,F,Bal,Balci,35.00
23,O,Kagit,kgtci,15.00
25,F,Mant— ,Kysri,40.00
26,F,Tryag,Pinar,18.00
28,F,BCips,Lays,18.00
29,O,Sarj,Apple,199.99

Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
```

29,0,Sarj,Apple,199.99

Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor
3
1. Query the stock of a the product in a specified branch by using the product ID and branch name.
2. List the stock of all products in a specified branch
3. List the out-of-stock products in a specified branch
4. Back to the menu.
1
Please enter the branch: Istanbul
Please enter the product ID: 2
There is no stock entry related to given branch and pID.
1. Query the stock of a the product in a specified branch by using the product ID and branch name.
2. List the stock of all products in a specified branch
3. List the out-of-stock products in a specified branch
4. Back to the menu.

```
Please enter the branch: Istanbul
Please enter the product ID: 2
There is no stock entry related to given branch and pID.
1. Query the stock of a the product in a specified branch by using the product ID and branch name.
2. List the stock of all products in a specified branch
3. List the out-of-stock products in a specified branch
4. Back to the menu.
1
Please enter the branch: Samsun
Please enter the product ID: 20
Branch: Samsun Stock: 55
1. Query the stock of a the product in a specified branch by using the product ID and branch name.
2. List the stock of all products in a specified branch
3. List the out-of-stock products in a specified branch
4. Back to the menu.
2
Enter branch name: Gaziantep
Product ID: 4, Product Name: Pizza, Brand: Pizza, Stock Count: 30
Product ID: 3, Product Name: Cay, Brand: Cay, Stock Count: 87
1. Query the stock of a the product in a specified branch by using the product ID and branch name.
2. List the stock of all products in a specified branch
3. List the out-of-stock products in a specified branch
4. Back to the menu.
3
Enter branch name: Istanbul
Product Name: Ayran Brand: Sutas is out of stock.
Product Name: Simit Brand: Firin is out of stock.
Product Name: Pizza Brand: Domis is out of stock.
Product Name: Silgi Brand: Mono is out of stock.
Product Name: Kahve Brand: Necfe is out of stock.
Product Name: Hmbgr Brand: Burgr is out of stock.
Product Name: Sut Brand: Pinar is out of stock.
Product Name: Ekmek Brand: Yenbo is out of stock.
Product Name: Makrn Brand: Eti is out of stock.
Product Name: Yogrt Brand: Eti is out of stock.
Product Name: Pogca Brand: Saray is out of stock.
Product Name: Klik Brand: Karto is out of stock.
Product Name: MeySu Brand: Dimes is out of stock.
Product Name: Pilav Brand: Plvci is out of stock.
Product Name: Peynr Brand: Kaan is out of stock.
Product Name: Kurab Brand: Eti is out of stock.
Product Name: Ktras Brand: Metal is out of stock.
```

3
Enter branch name: Istanbul
Product Name: Ayran Brand: Sutas is out of stock.
Product Name: Simit Brand: Firin is out of stock.
Product Name: Pizza Brand: Domis is out of stock.
Product Name: Silgi Brand: Mono is out of stock.
Product Name: Kahve Brand: Necfe is out of stock.
Product Name: Hmbgr Brand: Burgr is out of stock.
Product Name: Sut Brand: Pinar is out of stock.
Product Name: Ekmek Brand: Yenbo is out of stock.
Product Name: Makrn Brand: Eti is out of stock.
Product Name: Yogrt Brand: Eti is out of stock.
Product Name: Pogca Brand: Saray is out of stock.
Product Name: Klik Brand: Karto is out of stock.
Product Name: MeySu Brand: Dimes is out of stock.
Product Name: Pilav Brand: Plvci is out of stock.
Product Name: Peynr Brand: Kaan is out of stock.
Product Name: Kurab Brand: Eti is out of stock.
Product Name: Ktras Brand: Metal is out of stock.
Product Name: Soda Brand: Camca is out of stock.
Product Name: Tost Brand: Tostu is out of stock.
Product Name: Bal Brand: Balci is out of stock.
Product Name: Cips Brand: Lays is out of stock.
Product Name: Kagit Brand: kgtci is out of stock.
Product Name: Lmnta Brand: Eti is out of stock.
Product Name: Mant— Brand: Kysri is out of stock.
Product Name: Tryag Brand: Pinar is out of stock.
Product Name: Cik Brand: Ulker is out of stock.
Product Name: BCips Brand: Lays is out of stock.
Product Name: Sarj Brand: Apple is out of stock.
1. Query the stock of a the product in a specified branch by using the product ID and branch name.
2. List the stock of all products in a specified branch
3. List the out-of-stock products in a specified branch
4. Back to the menu.
4
Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor

```
1. Query the stock of a the product in a specified branch by using the product ID and branch name.
2. List the stock of all products in a specified branch
3. List the out-of-stock products in a specified branch
4. Back to the menu.
4
Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor
4
Enter brand name: Eti
Product ID        Price           Stock
10                20.00           80
11                12.00           0
17                9.00            0
24                10.00           0
Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor
```

```
Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor
4
Enter brand name: Apple
Product ID        Price              Stock
29                199.99             0
Welcome to operator, please select an option to continue:
1- File Operations
2- Query products
3- Check stock status
4- Stock control by brand
5- Export repor
```