

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ make
```

-----

Removing compiled files...

-----

Compiling...

-----

Running the program....

=====

./hw06

\*\*\*\*\*

```
>=>      >=>      >====>      >=>      >=> >=====> >=>      >=>      >====>      >=====>      >=>      >=>
>=>      >=>      >=>      >=>      >> >=>      >>=> >=>      >=>      >=>      >=>      >=>      >=>      >=>      >=>      >=>
>=>      >=> >=>      >=> >=> >=> > >=> >=>      >=>      >>      >=> >=>      >=>      >=>      >=>      >=>      >=>      >=>
>=====> >=> >=>      >=> >=>      >=> >=>      >=> >=====>      >=>      >=>      >=>      >=>      >>      >=>      >=>      >=>
>=>      >=> >=>      >=> >=>      >>      >=> >=>      >=> >> >=> >=> >=>      >=> >=>      >=>      >=>      >=>      >=>      >=>
>=>      >=>      >=>      >=> >=>      >=> >=>      >> >>      >=====>      >=>      >=>      >=>      >=>      >=>      >=>      >=>
>=>      >=>      >====>      >=>      >=> >=====> >=>      >=>      >====>      >=>      >=> >=>      >=>      >=>      >=>
```

CEMAL BOLAT 210104004010

\*\*\*\*\*

Welcome operator, please select an option to continue:

- 1- File Operations
- 2- Query products
- 3- Check stock status
- 4- Stock control by brand
- 5- Export report

>> 1

\*\*\*\*\*

Select operation:

- 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 a product: << Type(char) Name(string) Brand(string) Price(float) >  
(Seperate with space)

>> F Cpu Amd 889

\*\*\*\*\*

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
```

```
pID,Type,Name,Brand,Price,Meslek
```

```
1,F,Cips,Ruff,123.0, None
```

```
2,D,Cola,Pepsi,12.0, Mimar
```

```
3,O,Ari,Maya,331.0, None
```

```
4,F,Dost,Sut,123.0, None
```

```
5,F,Cips,Lays,76.0, None
```

```
6,O,Cips,Ruff,30.0, None
```

```
7,F,Cips,Pring,8888.0, None
```

```
8,F,Beve,Bear,89.2, None
```

```
9,O,Bave,Water,188.0, None
```

```
10,O,Bave,Fanta,55.0, None
```

```
11,F,Bave,Pudin,31.0, None
```

```
12,O,Cips,Bim,22.0, None
```

```
13,F,Cips,Rmb,122.0, None
```

```
14,O,cips,Burak,12.0, None
```

```
15,O,Cips,Cola,222.0, None
```

```
16,F,Cips,Cola,122.0, None
```

```
17,F,War,Ware,1.2, Doktor
```

```
18,F,Cpu,Amd,889.0, None
```

\*\*\*\*\*

Select operation:

- 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

>> 2

Enter a pID: << 1-18 >> >> 17

\*\*\*\*\*

Select operation:

- 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

>> |



```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
```

```
pID,Type,Name,Brand,Price,Meslek
```

```
1,F,Cips,Ruff,123.0,None
```

```
2,D,Cola,Pepsi,12.0,Mimar
```

```
3,O,Ari,Maya,331.0,None
```

```
4,F,Dost,Sut,123.0,None
```

```
5,F,Cips,Lays,76.0,None
```

```
6,O,Cips,Ruff,30.0,None
```

```
7,F,Cips,Pring,8888.0,None
```

```
8,F,Beve,Bear,89.2,None
```

```
9,O,Bave,Water,188.0,None
```

```
10,O,Bave,Fanta,55.0,None
```

```
11,F,Bave,Pudin,31.0,None
```

```
12,O,Cips,Bim,22.0,None
```

```
13,F,Cips,Rmb,122.0,None
```

```
14,O,cips,Burak,12.0,None
```

```
15,O,Cips,Cola,222.0,None
```

```
16,F,Cips,Cola,122.0,None
```

```
17,F,Cpu,Amd,889.0,None
```

Select operation:

- 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 a product: << Type(char) Name(string) Brand(string) Price(float) >>  
(Seperate with space)

>> F War TaleW 66

\*\*\*\*\*

Select operation:

- 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

>> |

```
cbo1at@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
pID,Type,Name,Brand,Price,Meslek
1,F,Cips,Ruff,123.0,None
2,D,Cola,Pepsi,12.0,Mimar
3,O,Ari,Maya,331.0,None
4,F,Dost,Sut,123.0,None
5,F,Cips,Lays,76.0,None
6,O,Cips,Ruff,30.0,None
7,F,Cips,Pring,8888.0,None
8,F,Beve,Bear,89.2,None
9,O,Bave,Water,188.0,None
10,O,Bave,Fanta,55.0,None
11,F,Bave,Pudin,31.0,None
12,O,Cips,Bim,22.0,None
13,F,Cips,Rmb,122.0,None
14,O,cips,Burak,12.0,None
15,O,Cips,Cola,222.0,None
16,F,Cips,Cola,122.0,None
17,F,Cpu,Amd,889.0,None
18,F,War,TaleW,66.0,None
```

\*\*\*\*\*

Select operation:

- 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

Enter a pID: << 1-18 >>

>> 17

Enter a feature: << 1-5 >>

1-Type

2-Name

3-Brand

4-Price

5-Meslek

>> 5

Enter The Value of Feature:

>> Pilot

\*\*\*\*\*



```
cbo1at@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
pID,Type,Name,Brand,Price,Meslek
1,F,Cips,Ruff,123.0,None
2,D,Cola,Pepsi,12.0,Mimar
3,O,Ari,Maya,331.0,None
4,F,Dost,Sut,123.0,None
5,F,Cips,Lays,76.0,None
6,O,Cips,Ruff,30.0,None
7,F,Cips,Pring,8888.0,None
8,F,Beve,Bear,89.2,None
9,O,Bave,Water,188.0,None
10,O,Bave,Fanta,55.0,None
11,F,Bave,Pudin,31.0,None
12,O,Cips,Bim,22.0,None
13,F,Cips,Rmb,122.0,None
14,O,cips,Burak,12.0,None
15,O,Cips,Cola,222.0,None
16,F,Cips,Cola,122.0,None
17,F,Cpu,Amd,889.0,Pilot
18,F,War,TaleW,66.0,None
```

Select operation:

- 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

>> 4

Enter a feature << max 10 letters >>

>> Quality

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemat/Desktop/nw06$ cat product.txt
```

```
pID,Type,Name,Brand,Price,Meslek,Quality
```

```
1,F,Cips,Ruff,123.0,None,None
```

```
2,D,Cola,Pepsi,12.0,Mimar,None
```

```
3,O,Ari,Maya,331.0,None,None
```

```
4,F,Dost,Sut,123.0,None,None
```

```
5,F,Cips,Lays,76.0,None,None
```

```
6,O,Cips,Ruff,30.0,None,None
```

```
7,F,Cips,Pring,8888.0,None,None
```

```
8,F,Beve,Bear,89.2,None,None
```

```
9,O,Bave,Water,188.0,None,None
```

```
10,O,Bave,Fanta,55.0,None,None
```

```
11,F,Bave,Pudin,31.0,None,None
```

```
12,O,Cips,Bim,22.0,None,None
```

```
13,F,Cips,Rmb,122.0,None,None
```

```
14,O,cips,Burak,12.0,None,None
```

```
15,O,Cips,Cola,222.0,None,None
```

```
16,F,Cips,Cola,122.0,None,None
```

```
17,F,Cpu,Amd,889.0,Pilot,None
```

```
18,F,War,TaleW,66.0,None,None
```

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
```

```
sID,pID,branch,current_stock
```

```
1,1,Paris,123
```

```
2,19,Izmir,0
```

```
3,4,Mersin,30
```

```
4,13,Mersin,100
```

```
5,7,Mersin,12
```

```
6,31,Kocaeli,31
```

```
7,22,Antalya,31
```

```
8,20,Paris,22
```

```
9,10,Londra,1235
```

```
10,43,Moskow,122
```

```
11,8,Sariyer,0
```

```
12,13,Kocaeli,77
```

```
13,13,Rize,77
```

```
14,13,Moskow,0
```

```
15,54,Mardin,33
```

```
16,13,Mardin,0
```

```
17,13,Trabzon,12
```



\*\*\*\*\*  
Select operation:

- 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

>> 5

Enter a stock product: << pID(int) branch(string) stock(integer) >>  
(Seperate with space)

>> 17 Istanbul 90

\*\*\*\*\*

```
cbo1at@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
sID,pID,branch,current_stock
1,1,Paris,123
2,19,Izmir,0
3,4,Mersin,30
4,13,Mersin,100
5,7,Mersin,12
6,31,Kocaeli,31
7,22,Antalya,31
8,20,Paris,22
9,10,Londra,1235
10,43,Moskow,122
11,8,Sariyer,0
12,13,Kocaeli,77
13,13,Rize,77
14,13,Moskow,0
15,54,Mardin,33
16,13,Mardin,0
17,13,Trabzon,12
18,17,Istanbul,90
```

Select operation:

- 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

>> 6

Enter a sID: << 1-18 >> 2

\*\*\*\*\*

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
sID,pID,branch,current_stock
1,1,Paris,123
2,4,Mersin,30
3,13,Mersin,100
4,7,Mersin,12
5,31,Kocaeli,31
6,22,Antalya,31
7,20,Paris,22
8,10,Londra,1235
9,43,Moskow,122
10,8,Sariyer,0
11,13,Kocaeli,77
12,13,Rize,77
13,13,Moskow,0
14,54,Mardin,33
15,13,Mardin,0
16,13,Trabzon,12
17,17,Istanbul,90
```



Select operation:

- 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

>> 7

Enter a pID: << 1-17 >>

>> 2

Enter a feature: << 1-3 >>

1-pID

2-branch

3-current\_stock

>> 2

Enter The Value of Feature: Kocaeli

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
```

```
sID,pID,branch,current_stock
```

```
1,1,Paris,123
```

```
2,4,Kocaeli,30
```

```
3,13,Mersin,100
```

```
4,7,Mersin,12
```

```
5,31,Kocaeli,31
```

```
6,22,Antalya,31
```

```
7,20,Paris,22
```

```
8,10,Londra,1235
```

```
9,43,Moskow,122
```

```
10,8,Sariyer,0
```

```
11,13,Kocaeli,77
```

```
12,13,Rize,77
```

```
13,13,Moskow,0
```

```
14,54,Mardin,33
```

```
15,13,Mardin,0
```

```
16,13,Trabzon,12
```

```
17,17,Istanbul,90
```

Welcome operator, please select an option to continue:

- 1- File Operations
- 2- Query products
- 3- Check stock status
- 4- Stock control by brand
- 5- Export report

>> 2

\*\*\*\*\*

Select operation:

- 1-) List all products
- 2-) Filter products by brand, type, price, or a user-defined feature
- 3-) Back to main menu.

>> 1

\*\*\*\*\*

PRODUCTS :

pID,Type,Name,Brand,Price,Meslek,Quality

1	F	Cips	Ruff	123.0	None	None
2	D	Cola	Pepsi	12.0	Mimar	None
3	O	Ari	Maya	331.0	None	None
4	F	Dost	Sut	123.0	None	None
5	F	Cips	Lays	76.0	None	None
6	O	Cips	Ruff	30.0	None	None
7	F	Cips	Pring	8888.0	None	None
8	F	Beve	Bear	89.2	None	None
9	O	Bave	Water	188.0	None	None
10	O	Bave	Fanta	55.0	None	None
11	F	Bave	Pudin	31.0	None	None
12	O	Cips	Bim	22.0	None	None
13	F	Cips	Rmb	122.0	None	None
14	O	cips	Burak	12.0	None	None
15	O	Cips	Cola	222.0	None	None
16	F	Cips	Cola	122.0	None	None
17	F	Cpu	Amd	889.0	Pilot	None
18	F	War	TaleW	66.0	None	None

\*\*\*\*\*

```
*****
Select operation:
```

```
1-) List all products
```

```
2-) Filter products by brand, type, price, or a user-defined feature
```

```
3-) Back to main menu.
```

```
>> 2
```

```
*****
Please select the type of filter:
```

```
1-) Brand
```

```
2-) Type
```

```
3-) Price
```

```
4-) Others
```

```
5-) Multiple Filter
```

```
>> 1
```

```
Enter The Brand
```

```
>> Ruff
```

```
*****
pID,Type,Name,Brand,Price,Meslek,Quality
```

```
1,F,Cips,Ruff,123.0,None,None
```

```
6,0,Cips,Ruff,30.0,None,None
```

```
*****
```



```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
```

```
pID,Type,Name,Brand,Price,Meslek,Quality
```

```
1,F,Cips,Ruff,123.0,None,None
```

```
2,D,Cola,Pepsi,12.0,Mimar,None
```

```
3,O,Ari,Maya,331.0,None,None
```

```
4,F,Dost,Sut,123.0,None,None
```

```
5,F,Cips,Lays,76.0,None,None
```

```
6,O,Cips,Ruff,30.0,None,None
```

```
7,F,Cips,Pring,8888.0,None,None
```

```
8,F,Beve,Bear,89.2,None,None
```

```
9,O,Bave,Water,188.0,None,None
```

```
10,O,Bave,Fanta,55.0,None,None
```

```
11,F,Bave,Pudin,31.0,None,None
```

```
12,O,Cips,Bim,22.0,None,None
```

```
13,F,Cips,Rmb,122.0,None,None
```

```
14,O,cips,Burak,12.0,None,None
```

```
15,O,Cips,Cola,222.0,None,None
```

```
16,F,Cips,Cola,122.0,None,None
```

```
17,F,Cpu,Amd,889.0,Pilot,None
```

```
18,F,War,TaleW,66.0,None,None
```

\*\*\*\*\*

Please select the type of filter:

- 1-) Brand
- 2-) Type
- 3-) Price
- 4-) Others
- 5-) Multiple Filter

>> 2

Enter The Type

>> D

\*\*\*\*\*

pID,Type,Name,Brand,Price,Meslek,Quality

2,D,Cola,Pepsi,12.0,Mimar,None

\*\*\*\*\*

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
```

```
pID,Type,Name,Brand,Price,Meslek,Quality
```

```
1,F,Cips,Ruff,123.0,None,None
```

```
2,D,Cola,Pepsi,12.0,Mimar,None
```

```
3,O,Ari,Maya,331.0,None,None
```

```
4,F,Dost,Sut,123.0,None,None
```

```
5,F,Cips,Lays,76.0,None,None
```

```
6,O,Cips,Ruff,30.0,None,None
```

```
7,F,Cips,Pring,8888.0,None,None
```

```
8,F,Beve,Bear,89.2,None,None
```

```
9,O,Bave,Water,188.0,None,None
```

```
10,O,Bave,Fanta,55.0,None,None
```

```
11,F,Bave,Pudin,31.0,None,None
```

```
12,O,Cips,Bim,22.0,None,None
```

```
13,F,Cips,Rmb,122.0,None,None
```

```
14,O,cips,Burak,12.0,None,None
```

```
15,O,Cips,Cola,222.0,None,None
```

```
16,F,Cips,Cola,122.0,None,None
```

```
17,F,Cpu,Amd,889.0,Pilot,None
```

```
18,F,War,TaleW,66.0,None,None
```

\*\*\*\*\*

Please select the type of filter:

- 1-) Brand
- 2-) Type
- 3-) Price
- 4-) Others
- 5-) Multiple Filter

>> 3

\*\*\*\*\*

Enter The Min price

>> 10

Enter The Max price

>> 20

\*\*\*\*\*

pID,Type,Name,Brand,Price,Meslek,Quality

2,D,Cola,Pepsi,12.0,Mimar,None

14,0,cips,Burak,12.0,None,None



```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
pID,Type,Name,Brand,Price,Meslek,Quality
1,F,Cips,Ruff,123.0,None,None
2,D,Cola,Pepsi,12.0,Mimar,None✓
3,O,Ari,Maya,331.0,None,None
4,F,Dost,Sut,123.0,None,None
5,F,Cips,Lays,76.0,None,None
6,O,Cips,Ruff,30.0,None,None
7,F,Cips,Pring,8888.0,None,None
8,F,Beve,Bear,89.2,None,None
9,O,Bave,Water,188.0,None,None
10,O,Bave,Fanta,55.0,None,None
11,F,Bave,Pudin,31.0,None,None
12,O,Cips,Bim,22.0,None,None
13,F,Cips,Rmb,122.0,None,None
14,O,cips,Burak,12.0,None,None✓
15,O,Cips,Cola,222.0,None,None
16,F,Cips,Cola,122.0,None,None
17,F,Cpu,Amd,889.0,Pilot,None
18,F,War,TaleW,66.0,None,None
```

Please select the type of filter:

- 1-) Brand
- 2-) Type
- 3-) Price
- 4-) Others
- 5-) Multiple Filter

>> 4

- 1-) Meslek
- 2-) Quality

Feature:

>> 1

Enter the feature property:

>> Pilot

\*\*\*\*\*

pID,Type,Name,Brand,Price,Meslek,Quality  
17,F,Cpu,Amd,889.0,Pilot,None

\*\*\*\*\*

```
cbo1at@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
pID,Type,Name,Brand,Price,Meslek,Quality
1,F,Cips,Ruff,123.0,None,None
2,D,Cola,Pepsi,12.0,Mimar,None
3,O,Ari,Maya,331.0,None,None
4,F,Dost,Sut,123.0,None,None
5,F,Cips,Lays,76.0,None,None
6,O,Cips,Ruff,30.0,None,None
7,F,Cips,Pring,8888.0,None,None
8,F,Beve,Bear,89.2,None,None
9,O,Bave,Water,188.0,None,None
10,O,Bave,Fanta,55.0,None,None
11,F,Bave,Pudin,31.0,None,None
12,O,Cips,Bim,22.0,None,None
13,F,Cips,Rmb,122.0,None,None
14,O,cips,Burak,12.0,None,None
15,O,Cips,Cola,222.0,None,None
16,F,Cips,Cola,122.0,None,None
17,F,Cpu,Amd,889.0,Pilot,None ✓
18,F,War,TaleW,66.0,None,None
```

\*\*\*\*\*

Please select the type of filter:

- 1-) Brand
- 2-) Type
- 3-) Price
- 4-) Others
- 5-) Multiple Filter

>> 5

Enter the elements you want to filter seperate them with commas ex:

<< Brand,Samsung,type,0 >>

>>> Brand,Ruff,Type,0

\*\*\*\*\*

Filtered Products:

6,0,Cips,Ruff,30.0,None,None



```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
pID,Type,Name,Brand,Price,Meslek,Quality
1,F,Cips,Ruff,123.0,None,None X
2,D,Cola,Pepsi,12.0,Mimar,None
3,O,Ari,Maya,331.0,None,None
4,F,Dost,Sut,123.0,None,None
5,F,Cips,Lays,76.0,None,None
6,O,Cips,Ruff,30.0,None,None ✓
7,F,Cips,Pring,8888.0,None,None
8,F,Beve,Bear,89.2,None,None
9,O,Bave,Water,188.0,None,None
10,O,Bave,Fanta,55.0,None,None
11,F,Bave,Pudin,31.0,None,None
12,O,Cips,Bim,22.0,None,None
13,F,Cips,Rmb,122.0,None,None
14,O,cips,Burak,12.0,None,None
15,O,Cips,Cola,222.0,None,None
16,F,Cips,Cola,122.0,None,None
17,F,Cpu,Amd,889.0,Pilot,None
18,F,War,TaleW,66.0,None,None
```



\*\*\*\*\*

Select operation:

- 1-) List all products
- 2-) Filter products by brand, type, price, or a user-defined feature
- 3-) Back to main menu.

>> 3

\*\*\*\*\*

Welcome operator, please select an option to continue:

- 1- File Operations
- 2- Query products
- 3- Check stock status
- 4- Stock control by brand
- 5- Export report

>> 3

\*\*\*\*\*

Please select the type of stock filter:

- 1-) All products in a specified branch by using the product ID and branch name
- 2-) All products in a specified branch
- 3-) Out-of-stock products in a specified branch
- 4-) Back to main menu.

>> 1

Enter The Branch

>> Rize

Enter The pID

>> 13

\*\*\*\*\*

sID,pID,branch,current\_stock

12,13,Rize,77

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
```

```
sID,pID,branch,current_stock
```

```
1,1,Paris,123
```

```
2,4,Kocaeli,30
```

```
3,13,Mersin,100
```

```
4,7,Mersin,12
```

```
5,31,Kocaeli,31
```

```
6,22,Antalya,31
```

```
7,20,Paris,22
```

```
8,10,Londra,1235
```

```
9,43,Moskow,122
```

```
10,8,Sariyer,0
```

```
11,13,Kocaeli,77
```

```
12,13,Rize,77
```

```
13,13,Moskow,0
```

```
14,54,Mardin,33
```

```
15,13,Mardin,0
```

```
16,13,Trabzon,12
```

```
17,17,Istanbul,90
```

\*\*\*\*\*

Please select the type of stock filter:

- 1-) All products in a specified branch by using the product ID and branch name
- 2-) All products in a specified branch
- 3-) Out-of-stock products in a specified branch
- 4-) Back to main menu.

>> 2

Enter The Branch

>> Mardin

\*\*\*\*\*

sID,pID,branch,current\_stock

14,54,Mardin,33

15,13,Mardin,0

\*\*\*\*\*

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
```

```
sID,pID,branch,current_stock
```

```
1,1,Paris,123
```

```
2,4,Kocaeli,30
```

```
3,13,Mersin,100
```

```
4,7,Mersin,12
```

```
5,31,Kocaeli,31
```

```
6,22,Antalya,31
```

```
7,20,Paris,22
```

```
8,10,Londra,1235
```

```
9,43,Moskow,122
```

```
10,8,Sariyer,0
```

```
11,13,Kocaeli,77
```

```
12,13,Rize,77
```

```
13,13,Moskow,0
```

```
14,54,Mardin,33 ✓
```

```
15,13,Mardin,0 ✓
```

```
16,13,Trabzon,12
```

```
17,17,Istanbul,90
```



```
*****
Please select the type of stock filter:
1-) All products in a specified branch by using the product ID and branch name
2-) All products in a specified branch
3-) Out-of-stock products in a specified branch
4-) Back to main menu.
```

```
>> 3
```

```
Enter The Branch
```

```
>> Rize
```

```
*****
```

```
No out of stock products in Rize
```

```
*****
```

```
Please select the type of stock filter:
1-) All products in a specified branch by using the product ID and branch name
2-) All products in a specified branch
3-) Out-of-stock products in a specified branch
4-) Back to main menu.
```

```
>> 3
```

```
Enter The Branch
```

```
>> Sariyer
```

```
*****
```

```
sID,pID,branch,current_stock
10,8,Sariyer,0
```

```
*****
```



```
cbo1at@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
sID,pID,branch,current_stock
1,1,Paris,123
2,4,Kocaeli,30
3,13,Mersin,100
4,7,Mersin,12
5,31,Kocaeli,31
6,22,Antalya,31
7,20,Paris,22
8,10,Londra,1235
9,43,Moskow,122
10,8,Sariyer,0 ✓
11,13,Kocaeli,77
12,13,Rize,77 ✗
13,13,Moskow,0
14,54,Mardin,33
15,13,Mardin,0
16,13,Trabzon,12
17,17,Istanbul,90
```

\*\*\*\*\*

Please select the type of stock filter:

- 1-) All products in a specified branch by using the product ID and branch name
- 2-) All products in a specified branch
- 3-) Out-of-stock products in a specified branch
- 4-) Back to main menu.

>> 4

\*\*\*\*\*

Welcome operator, please select an option to continue:

- 1- File Operations
- 2- Query products
- 3- Check stock status
- 4- Stock control by brand
- 5- Export report

>> 4

Enter The Brand

>> Rmb

\*\*\*\*\*

pID,price,current\_stock

13,122.0,266

\*\*\*\*\*

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
```

```
sID,pID,branch,current_stock
```

```
1,1,Paris,123
```

```
2,4,Kocaeli,30
```

```
3,13,Mersin,100 ✓
```

```
4,7,Mersin,12
```

```
5,31,Kocaeli,31
```

```
6,22,Antalya,31
```

```
7,20,Paris,22
```

```
8,10,Londra,1235
```

```
9,43,Moskow,122
```

```
10,8,Sariyer,0
```

```
11,13,Kocaeli,77 —
```

```
12,13,Rize,77 —
```

```
13,13,Moskow,0 —
```

```
14,54,Mardin,33
```

```
15,13,Mardin,0 —
```

```
16,13,Trabzon,12
```

```
17,17,Istanbul,90
```

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
```

```
pID,Type,Name,Brand,Price,Meslek,Quality
```

```
1,F,Cips,Ruff,123.0,None,None
```

```
2,D,Cola,Pepsi,12.0,Mimar,None
```

```
3,O,Ari,Maya,331.0,None,None
```

```
4,F,Dost,Sut,123.0,None,None
```

```
5,F,Cips,Lays,76.0,None,None
```

```
6,O,Cips,Ruff,30.0,None,None
```

```
7,F,Cips,Pring,8888.0,None,None
```

```
8,F,Beve,Bear,89.2,None,None
```

```
9,O,Bave,Water,188.0,None,None
```

```
10,O,Bave,Fanta,55.0,None,None
```

```
11,F,Bave,Pudin,31.0,None,None
```

```
12,O,Cips,Bim,22.0,None,None
```

```
13.F,Cips,Rmb,122.0,None,None pID = 13
```

```
14,O,cips,Burak,12.0,None,None
```

```
15,O,Cips,Cola,222.0,None,None
```

```
16,F,Cips,Cola,122.0,None,None
```

```
17,F,Cpu,Amd,889.0,Pilot,None
```

```
18,F,War,TaleW,66.0,None,None
```

```
*****  
Welcome operator, please select an option to continue:
```

- 1- File Operations
- 2- Query products
- 3- Check stock status
- 4- Stock control by brand
- 5- Export report

```
>> 4
```

```
Enter The Brand
```

```
>> Ruff
```

```
*****
```

```
pID,price,current_stock
```

```
1,123.0,123
```

```
6,30.0,123
```

```
*****
```



```
cbo1at@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
```

```
sID,pID,branch,current_stock
```

```
1,1,Paris,123 ✗
```

```
2,4,Kocaeli,30
```

```
3,13,Mersin,100
```

```
4,7,Mersin,12
```

```
5,31,Kocaeli,31
```

```
6,22,Antalya,31
```

```
7,20,Paris,22
```

No pID for 6 so it makes it also 0

```
8,10,Londra,1235
```

```
9,43,Moskow,122
```

```
10,8,Sariyer,0
```

```
11,13,Kocaeli,77
```

```
12,13,Rize,77
```

```
13,13,Moskow,0
```

```
14,54,Mardin,33
```

```
15,13,Mardin,0
```

```
16,13,Trabzon,12
```

```
17,17,Istanbul,90
```

```
cbo1at@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat product.txt
```

```
pID,Type,Name,Brand,Price,Meslek,Quality
```

```
1,F,Cips,Ruff,123.0,None,None ✓
```

```
2,D,Cola,Pepsi,12.0,Mimar,None
```

```
3,0,Ari,Maya,331.0,None,None
```

```
4,F,Dost,Sut,123.0,None,None
```

```
5,F,Cips,Lays,76.0,None,None
```

```
6,0,Cips,Ruff,30.0,None,None ✓
```

```
7,F,Cips,Pring,8888.0,None,None
```

```
8,F,Beve,Bear,89.2,None,None
```

```
9,0,Bave,Water,188.0,None,None
```

```
10,0,Bave,Fanta,55.0,None,None
```

```
11,F,Bave,Pudin,31.0,None,None
```

```
12,0,Cips,Bim,22.0,None,None
```

```
13,F,Cips,Rmb,122.0,None,None
```

```
14,0,cips,Burak,12.0,None,None
```

```
15,0,Cips,Cola,222.0,None,None
```

```
16,F,Cips,Cola,122.0,None,None
```

```
17,F,Cpu,Amd,889.0,Pilot,None
```

```
18,F,War,TaleW,66.0,None,None
```

\*\*\*\*\*

Welcome operator, please select an option to continue:

- 1- File Operations
- 2- Query products
- 3- Check stock status
- 4- Stock control by brand
- 5- Export report

>> 5

=====

[SUCCESS] Completed tests....

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat export.txt
```

```
pID,minimum_stock,maximum_stock,median_number
```

```
1,123,123,123.0
```

```
4,30,30,30.0
```

```
13,0,100,44.0
```

```
7,12,12,12.0
```

```
31,31,31,31.0
```

```
22,31,31,31.0
```

```
20,22,22,22.0
```

```
10,1235,1235,1235.0
```

```
43,122,122,122.0
```

```
8,0,0,0.0
```

```
54,33,33,33.0
```

```
17,90,90,90.0
```

```
cbolat@DESKTOP-EIJM40P:/mnt/c/Users/cemal/Desktop/hw06$ cat stocks.txt
```

```
sID,pID,branch,current_stock
```

```
1,1,Paris,123
```

```
2,4,Kocaeli,30
```

```
3,13,Mersin,100
```

```
4,7,Mersin,12
```

```
5,31,Kocaeli,31
```

```
6,22,Antalya,31
```

```
7,20,Paris,22
```

```
8,10,Londra,1235
```

```
9,43,Moskow,122
```

```
10,8,Sariyer,0
```

```
11,13,Kocaeli,77
```

```
12,13,Rize,77
```

```
13,13,Moskow,0
```

```
14,54,Mardin,33
```

```
15,13,Mardin,0
```

```
16,13,Trabzon,12
```

```
17,17,Istanbul,90
```