



OUR PROJECT NAME IS AUTOFULLER.
Our aim that project should be most easier,clearly
and program shouldn't fall darkness
because program will make contact with
every type of people.(Old,disable person,teenager)
So we used lots of default and else.
Every selection statement has default or else.

START OF THE CODE

```
|-----|  
|           WELCOME TO AUTOFULLER           |  
| This screen belong to authorized person.   |  
| This screen wont show any one more times. |  
|     So, we must do some configuration.     |  
| We firstly configuration fuel of type cost.  |  
|-----|
```

This screen executes just for one times.
Screen gives information about configuration steps and doing Wellcome!
Customers cannot see that screen.

CONTINUE WITH CONFIGURATION

```
Firstly enter a cost of gasoline for configure:
```

```
5,5
```

```
Secondly enter a cost of diesel for configure :
```

```
4,5
```

```
Third enter a cost of gas for configure:
```

```
3,5
```

```
YOUR CONFIGURATION
```

```
Gasoline cost of : 5.5
```

```
Diesel cost of : 4.5
```

```
Gas cost of : 3.5
```

```
Attation : Password is [1234] . Please change the password!
```

```
OK! All are configured.Program will execute now.
```

```
OK! All are configured.Program will execute now.
```

That screen shows just authorized person and won't see one more times.

Program needs to begin value about costs.

We thought it's so usable like this.

Authorized person must enter begin value.(Can double type)

And program gives us the standard begin password.(1234)

We thought shop manager has to change password in that way will see all menus and will see other section and will know what are there in personal menu and program.

SCREEN OF THE MAIN MENU

```
-----  
///// WHAT DO YOU GET? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----
```

This screen will appear the customers.
They can see current price.
They will choice what kind of fuel do they want to buy.
If shop manager wants to get access to system menu,
he needs to press 9 on the that menu.

```
-----  
///// WHAT DO YOU GET? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----  
0  
----- Wrong Entered -----  
-----Please Try Again-----  
  
///// WHAT DO YOU GET ? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----
```

If someone chooses the wrong option,
program will display attention writings.
And program will directs to buying menu.
That's neccesseary for our aim.

WANT TO BUY GASOLINE

```
///// WHAT DO YOU GET ? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu
-----
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL
-----
1
How Much Liters GASOLINE Do You Want To Buy ?
1
You will take 1 liters GASOLINE and will pay 5.5 TL for GASOLINE.

Attantion Note : GASOLINE Cost is 5.5 TL per liter.

Are you sure?
If you want to continue ,please enter 1 OR you can cancel the selling by enter 0.
1
Your tank is fulling with gasoline.Wait!
-----
///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu
-----
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL
-----
```

This screen is the cost change screen of the gasoline. People who want to buy gasoline will get access that screen by pressing 1. And they will choose how many liters do they want. We added that part like this because people don't follow cost of fuel .If they use like this cost of fuel, they can follow the decrease and increase. Also customers can see how much they will pay totally. So, they can decide easily and they can buy or not. We added the program cancel section for people who want to cancel buying. Lastly, program returns the begin Because program has lots of customers and they will use everytime because of this reason we used to infinitive loop(by for) in program.

WANT TO BUY DIESEL

```
-----  
///// WHAT DO YOU GET? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----  
2  
How Much Liters DIESEL Do You Want To Buy ?  
1  
You will take 1 liters DIESEL and will pay 4.5 TL for DIESEL...  
  
Attantion Note : DIESEL cost is 4.5 TL per liter.  
  
Are you sure?  
If you want to continue ,please enter 1 OR you can cancel the selling by enter 0.  
1  
Your tank is fulling with diesel.Wait!  
-----  
-----  
///// WHAT DO YOU GET? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----
```

People who want to buy diesel
will get access that screen
by pressing 2.

That screen little different previous screen.
In that screen cost of fuel type and fuel type
different to previous slide.

WANT TO BUY GAS

```
-----  
///// WHAT DO YOU GET? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----  
3  
How Much Liters GAS Do You Want To Buy ?  
1  
You will take 1 liters GAS and will pay 3.5 TL for GAS...  
  
Attantion Note : GAS cost is 3.5 TL per liter.  
  
Are you sure?  
If you want to continue ,please enter 1 OR you can cancel the selling by enter 0.  
1  
Your tank is fulling with gas.Wait!  
-----  
-----  
///// WHAT DO YOU GET? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----
```

People who want to buy gas
will get access that screen
by pressing 3.

That screen little different previous screen.
In that screen cost of fuel type and fuel type
different to previous slide.

WANT TO CANCEL BUY GASOLINE

```
-----
///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu
-----
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL
-----
1
How Much Liters GASOLINE Do You Want To Buy ?
1
You will take 1 liters GASOLINE and will pay 5.5 TL for GASOLINE...

Attantion Note : GASOLINE Cost is 5.5 TL per liter.

Are you sure?
If you want to continue ,please enter 1 OR you can cancel the selling by enter 0.
0
Your selling has been canceled!
-----
///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu
-----
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL
-----
```

This screen explains to how can I cancel to buy gasoline. They can cancel on sale by pressing 0. Another things same the section buy gasoline.

WANT TO CANCEL BUY DIESEL

```
-----  
      ///// WHAT DO YOU GET? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
      Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----  
2  
How Much Liters DIESEL Do You Want To Buy ?  
1  
You will take 1 liters DIESEL and will pay 4.5 TL for DIESEL...  
  
Attantion Note : DIESEL cost is 4.5 TL per liter.  
  
Are you sure?  
If you want to continue ,please enter 1 OR you can cancel the selling by enter 0.  
0  
Your selling has been canceled!  
-----  
-----  
      ///// WHAT DO YOU GET? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
      Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----
```

This screen explains to
how can I cancel to buy diesel.
They can cancel on sale by pressing 0.
Another things same the section buy diesel.

WANT TO CANCEL BUY GAS

```
-----
      ///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

      Press to 9 for System Menu
-----
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL
-----
3
How Much Liters GAS Do You Want To Buy ?
1
You will take 1 liters GAS and will pay 3.5 TL for GAS...

Attantion Note : GAS cost is 3.5 TL per liter.

Are you sure?
If you want to continue ,please enter 1 OR you can cancel the selling by enter 0.
0
Your selling has been canceled!
-----
      ///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

      Press to 9 for System Menu
-----
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL
-----
```

This screen explains to
how can I cancel to buy gas.
They can cancel on sale by pressing 0.
Another things same the section buy gas.

One of our aim that you don't have to buy.
Some programs entrap people with some legal
tricks.Our program is total opposite to these.

IN THE PERSONAL SYSTEM

```
-----  
///// WHAT DO YOU GET? /////  
If you are get Gasoline,please enter 1.  
If you are get Diesel,please enter 2.  
If you are get Gas,please enter 3.  
  
Press to 9 for System Menu  
-----  
Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL  
-----  
9  
Please enter password for Personal System...:  
1234  
  
---You are in the Personal System---  
  
- Press to 1 learn cancellations and acceptances.  
- Press to 2 change the cost of gasoline.  
- Press to 3 change the cost of diesel.  
- Press to 4 change the cost of gas.  
- Press to 5 print the summary of day.  
- Press to 6 change the password.  
Press to 99 go to menu.
```

That screen explains how i can get access the personal system. Firstly,program needs to know who you are so, we must enter 9 on buying menu. After that, program will ask password. Person who knows the password can get access the personal system.As we know program gives us password as 1234 but program recommended to change password to the shop manager.

FOR THE PERSONAL SYSTEM

```
Please enter password for Personal System...:
```

```
0
```

```
-----  
You entered wrong password.
```

```
Please Try Again
```

```
Password:
```

```
0
```

```
-----  
You entered wrong password.
```

```
Please Try Again
```

```
Password:
```

```
1234
```

```
---You are in the Personal System---
```

- Press to 1 learn cancellations and acceptances.
 - Press to 2 change the cost of gasoline.
 - Press to 3 change the cost of diesel.
 - Press to 4 change the cost of gas.
 - Press to 5 print the summary of day.
 - Press to 6 change the password.
- ```
Press to 99 go to menu.
```

For example, password has been entered wrongly. Program won't fall down and will ask password again with attention writing infinitive times so, you can try to enter lots of times. When you enter the correct password, program will direct to personal system so, you will be in the personal system. You can change cost of fuel and password in that part. Also, you can see summary of day and cancellations and acceptances.



# LEARN RATES WITH 1

---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.

Press to 99 go to menu.

1

Total accepts: 3

Total cancels: 3

Press to 99 for go back

If you enter a value other than 99,you will direct to main menu.For:Security

If you press to 1 in personal system.  
You will enter that section.

That screen is so important for our  
program because you can check that  
program understandable or not.  
You can check prices are receivable or not.  
You must press 99 for exit that section.

# EXIT TO RATES OF SCREEN

## EXIT WITH 99

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
1
Total accepts: 3
Total cancels: 3
Press to 99 for go back
If you enter a value other than 99,you will direct to main menu.For:Security
99
Please enter password for PS.:
1234

---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
```

If you press to 99, program will direct to password section .After the password, will return the personal system.

## EXIT WITH WRONG KEY

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
1
Total accepts: 3
Total cancels: 3
Press to 99 for go back
If you enter a value other than 99,you will direct to main menu.For:Security
0

You Have Entered a Value Other Than 99.
So, You are directing to Main Menu!

///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu

Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL

```

If you press to without 99 ,program will direct to buying menu with some attention writings.  
It's necessary for security of program.

# CHANGE COST OF GASOLINE WITH 2

---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.

Press to 99 go to menu.

2

Cost is 5.5TL.

Enter a new cost:

7,5

New gasoline cost:7.5

Gasoline cost has been changed

Press to 99 for go back

If you enter a value other than 99,you will direct to main menu.For:Security

You can change the cost of gasoline by pressing to 2 on the system menu. After pressed to 2, program will ask new gasoline cost. You need to enter a new cost. After that program displays the new cost for avoid confusion and waits you for exit.

# EXIT TO CHANGE OF SCREEN

## EXIT WITH 99

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
2
Cost is 5.5TL.
Enter a new cost:
7,5
New gasoline cost:7.5
Gasoline cost has been changed
Press to 99 for go back
If you enter a value other than 99,you will direct to main menu.For:Security
99
Please enter password for PS.:
1234

---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
```

If you press to 99, program will direct to password section .After the password, will return the personal system.

## EXIT WITH WRONG KEY

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
2
Cost is 5.5TL.
Enter a new cost:
7,5
New gasoline cost:7.5
Gasoline cost has been changed
Press to 99 for go back
If you enter a value other than 99,you will direct to main menu.For:Security
0
+++++
!!!.You entered wrong option for go to back !!!

Please Try From The Beginning.(For Security Reasons)

You Are Directing To The Main Menu.
+++++

///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu

Current price: -Gasoline :7.5 TL -Diesel :4.5 TL -Gas :3.5 TL

```

If you press to without 99 ,program will direct to buying menu with some attention writings. It's necessary for security of program.



# CHANGE COST OF DIESEL WITH 3

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
3
Cost is 4.5TL.
Enter a new cost:
6,5
New diesel cost:6.5
Diesel cost has been changed
Press to 99 for go back
If you enter a value other than 99,you will direct to password screen.For:Security
```

You can change the cost of diesel by pressing to 3 on the system menu. After pressed to 3, program will ask new diesel cost. You need to enter a new cost. After that program displays the new cost for avoid confusion and waits you for exit.

# EXIT TO CHANGE OF SCREEN

## EXIT WITH 99

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
3
Cost is 4.5TL.
Enter a new cost:
6,5
New diesel cost:6.5
Diesel cost has been changed
Press to 99 for go back
If you enter a value other than 99,you will direct to password screen.For:Security
99
Please enter password for PS.:
1234

---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
```

If you press to 99, program will direct to password section .After the password, will return the personal system.

## EXIT WITH WRONG KEY

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
3
Cost is 4.5TL.
Enter a new cost:
6,5
New diesel cost:6.5
Diesel cost has been changed
Press to 99 for go back
If you enter a value other than 99,you will direct to password screen.For:Security
0
+++++
!!!.You entered wrong option for go to back !!!

Please Try From The Beginning.(For Security Reasons)

You Are Directing To The Main Menu.
+++++

///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu

Current price: -Gasoline :5.5 TL -Diesel :6.5 TL -Gas :3.5 TL

```

If you press to without 99 ,program will direct to buying menu with some attention writings. It's necessary for security of program.

# CHANGE COST OF GAS WITH 4

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
4
Cost is 3.5TL.
Enter a new cost:
5,5
New gas cost:5.5
Gas cost has been changed
If you enter a value other than 99,you will direct to main menu.For:Security
Press to 99 for go back
```

You can change the cost of gas by pressing to 4 on the system menu. After pressed to 4, program will ask new gas cost. You need to enter a new cost. After that program displays the new cost for avoid confusion and waits you for exit.

# EXIT TO CHANGE OF SCREEN

## EXIT WITH 99

## EXIT WITH WRONG KEY

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
4
Cost is 3.5TL.
Enter a new cost:
5,5
New gas cost:5.5
Gas cost has been changed
 If you enter a value other than 99,you will direct to main menu.For:Security
Press to 99 for go back
99
Please enter password for PS.:
1234

---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
```

If you press to 99, program will direct to password section .After the password, will return the personal system.

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
4
Cost is 3.5TL.
Enter a new cost:
5,5
New gas cost:5.5
Gas cost has been changed
 If you enter a value other than 99,you will direct to main menu.For:Security
Press to 99 for go back
0
+++++
!!!.You entered wrong option for go to back !!!

Please Try From The Beginning.(For Security Reasons)

You Are Directing To The Main Menu.
+++++

///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu

Current price: -Gasoline :5.5 TL -Diesel :6.5 TL -Gas :5.5 TL

```

If you press to without 99 ,program will direct to buying menu with some attention writings. It's necessary for security of program.



# SCREEN OF PRINT SUM WITH 5

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
5
- Today sales of GASOLINE liters : 1
- Today sales of DIESEL liters : 1
- Today sales of GAS liters : 1
+ Today sales of GASOLINE cost : 5.5
+ Today sales of DIESEL cost : 4.5
+ Today sales of GAS cost : 3.5

Press to 99 for go back
If you enter a value other than 99,you will direct to main menu.For:Security
```

You can display summary of day and can check to tank.By the way, shop manager fallows the rates of tank. The program does not add canceled sales to the day's summary.Lastly, the program gives the right sum even if the sales cost change.After display summary program waits user for exit.

# EXIT TO CHANGE OF SCREEN

## EXIT WITH 99

## EXIT WITH WRONG KEY

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
5
- Today sales of GASOLINE liters : 1
- Today sales of DIESEL liters : 1
- Today sales of GAS liters : 1
+ Today sales of GASOLINE cost : 5.5
+ Today sales of DIESEL cost : 4.5
+ Today sales of GAS cost : 3.5

Press to 99 for go back
If you enter a value other than 99,you will direct to main menu.For:Security

99
Please enter password for PS.:
1234

---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
```

If you press to 99 ,program will direct to password section after the password, will return the personal system.

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
5
- Today sales of GASOLINE liters : 1
- Today sales of DIESEL liters : 1
- Today sales of GAS liters : 1
+ Today sales of GASOLINE cost : 5.5
+ Today sales of DIESEL cost : 4.5
+ Today sales of GAS cost : 3.5

Press to 99 for go back
If you enter a value other than 99,you will direct to main menu.For:Security
0

You Have Entered a Value Other Than 99.
So, You are directing to Main Menu!

///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu

Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL

```

If you press to without 99 ,program will direct to main menu with some attation writings.It's neccessary for security of program .

# SCREEN OF CHANGE PASSWORD WITH 6

---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.

Press to 99 go to menu.

6

Please enter a new password.

9999

The password was changed to 9999.

Press to 99 for go back

If you enter a value other than 99,you will direct to main menu.For:Security

You can change the system password by pressing 6 on the personal system. After enter change password section program waits to us. We need to enter new password. After entering password, program shows us the new password because we can press wrongly and program can fall down so, program shows us new password for avoid confusion. Lastly program waits us for exit.

# EXIT TO CHANGE OF SCREEN

## EXIT WITH 99

## EXIT WITH WRONG KEY

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
6
Please enter a new password.
9999
The password was changed to 9999.

Press to 99 for go back
If you enter a value other than 99,you will direct to main menu.For:Security
99
Please enter password for PS.:
9999

---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
```

If you press to 99 ,program will direct to password section after the password, will return the personal system.

```
---You are in the Personal System---

- Press to 1 learn cancellations and acceptances.
- Press to 2 change the cost of gasoline.
- Press to 3 change the cost of diesel.
- Press to 4 change the cost of gas.
- Press to 5 print the summary of day.
- Press to 6 change the password.
Press to 99 go to menu.
6
Please enter a new password.
9999
The password was changed to 9999.

Press to 99 for go back
If you enter a value other than 99,you will direct to main menu.For:Security
0

///// WHAT DO YOU GET? /////
If you are get Gasoline,please enter 1.
If you are get Diesel,please enter 2.
If you are get Gas,please enter 3.

Press to 9 for System Menu

Current price: -Gasoline :5.5 TL -Diesel :4.5 TL -Gas :3.5 TL

```

If you press to without 99 ,program will direct to main menu with some attation writings.It's neccessary for security of program .



# BEGIN FIRST CLASS FROM PROGRAM CODE

The screenshot shows the Eclipse IDE with a Java project named 'projectt'. The Package Explorer on the left shows the project structure: 'src' containing 'main\_menu.java' and 'methods.java'. The main editor displays the code in 'main\_menu.java'. The code includes package declarations, imports, and a public class 'main\_menu' with various static variables and a 'main' method. Two blue arrows point to specific parts of the code:

- The first arrow points to the static variable declarations (lines 17-37), with the text "We initialized our values." written inside the arrow.
- The second arrow points to the 'main' method (lines 39-45), with the text "We created method and called." written inside the arrow.

The code in the editor is as follows:

```
1
2
3 /* AUTOFULLER Created by
4 * - MUSTAFA SARIGÜL
5 * - EMİR ÖZÇÖPÜR
6 * - İSMAİL ALP SEL
7 * -27.12.2016-00:21
8 */
9
10
11 package projectt;
12
13 import java.util.Scanner;
14
15 public class main_menu {
16
17 public static int qq=1234;
18 static int choice;
19 static int i;
20 static int choice_liter_gasoline;
21 static int choice_liter_diesel;
22 static int choice_liter_gas;
23 static int dec_gasoline;
24 static int dec_diesel;
25 static int dec_gas;
26 public int system_main_menu;
27 public static int pass ;
28 public static int abc, abc1, abc2, abc3,pc;
29 static double q, w, e, r, t, y, u, s, l,z;
30 public static int fpass;
31 static int counter_c;
32 static int counter_a;
33 static double gasoline_cost;
34 static double diesel_cost;
35 static double gas_cost;
36 public static int total_gasoline_liter, total_diesel_liter,total_gas_liter = 0;
37 public static double sum_diesel_oost, sum_gasoline_cost, sum_gas_cost = 0;
38
39 public static void main(String[] args) {
40 Scanner input = new Scanner(System.in);
41
42 methods main_menu = new methods();
43 methods main_menudef = new methods();
44
45 main_menu.wellcome();
46 }
```

The right sidebar shows the 'Task List' and 'Outline' views. The 'Outline' view displays the class structure and variable declarations, including 'import declarations', 'main\_menu', and various static variables like 'qq', 'choice', 'i', 'choice\_liter\_gasoline', 'choice\_liter\_diesel', 'choice\_liter\_gas', 'dec\_gasoline', 'dec\_diesel', 'dec\_gas', 'system\_main\_menu', 'pass', 'abc', 'abc1', 'abc2', and 'abc3'.

# CONTINUE PROGRAM CODE

Java - projectt/src/projectt/main\_menu.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- projectt
  - src
    - projectt
      - main\_menu.java
      - methods.java
- JRE System Library [jre1.8.0\_111]

```
47 System.out.println(" Firstly enter a cost of gasoline for configure: ");
48 gasoline_cost = input.nextDouble();
49
50 System.out.println(" Secondly enter a cost of diesel for configure :");
51 diesel_cost = input.nextDouble();
52
53 System.out.println(" Third enter a cost of gas for configure: ");
54 gas_cost = input.nextDouble();
55
56 System.out.println(" YOUR CONFIGURATION ");
57 System.out.println(" Gasoline cost of : " + gasoline_cost);
58 System.out.println(" Diesel cost of : " + diesel_cost);
59 System.out.println(" Gas cost of : " + gas_cost);
60 System.out.println(" Attantion : Password is [1234] . Please change the password!");
61 System.out.println(" ");
62 System.out.println(" OK! All are configured.Program will execute now.");
63 System.out.println(" ");
64
65 main_menu.main_menu();
66 System.out.println(" Current price: -Gasoline : " + gasoline_cost + " TL" + " -Diesel :"+diesel_cost+" TL"
67 + " -Gas :"+gas_cost+" TL");
68 System.out.println(" -----");
69 for (i = 1;;) {
70
71 choice = input.nextInt();
72
73 switch (choice) {
74
75 case 1:
76 System.out.println(" How Much Liters GASOLINE Do You Want To Buy ?");
77 choice_liter_gasoline = input.nextInt();
78
79 sum_gasoline_cost = sum_gasoline_cost + (choice_liter_gasoline * gasoline_cost);
80
81 total_gasoline_liter = choice_liter_gasoline + total_gasoline_liter;
82
83 System.out.println(" You will take " + choice_liter_gasoline+ " liters GASOLINE and will pay "+ choice_liter_gasoline
84 * gasoline_cost + " TL for GASOLINE...");
85 System.out.println(" ");
86 System.out.println(" Attantion Note : GASOLINE Cost is " + gasoline_cost + " TL per liter. ");
87 System.out.println(" ");
88 System.out.println(" Are you sure?");
89 System.out.println(" If you want to continue ,please enter 1 OR you can cancel the selling by enter 0.");
90 dec_gasoline = input.nextInt();
91 }
```

Task List

Connect Mylyn

Connect to your task and ALM tools.

Outline

- s : double
- l : double
- z : double
- fpass : int
- counter\_c : int
- counter\_a : int
- gasoline\_cost : doubl
- diesel\_cost : double
- gas\_cost : double
- total\_gasoline\_liter :
- total\_diesel\_liter : int
- total\_gas\_liter : int
- sum\_diesel\_cost : dou
- sum\_gasoline\_cost : c
- sum\_gas\_cost : doubl
- main(String[]) : void

Problems @ Javadoc Declaration Console

Writable Smart Insert 51 : 50

We read to user begin values.

We displayed configuration part.

Buying and presonal menu started.

For gasoline

# CONTINUE PROGRAM CODE

The screenshot shows the Eclipse IDE with a Java project named 'projectt'. The main editor displays the file 'main\_menu.java'. The code is a menu-driven program for buying gasoline or diesel. Handwritten blue arrows with text provide annotations for specific parts of the code:

- Checked sure or not.**: Points to the 'default' case of the first switch statement (lines 107-109).
- Accept ++**: Points to the 'counter\_a++' statement in the first case (line 97).
- Cancel ++**: Points to the 'counter\_c++' statement in the 'case 0' block (line 104).
- If sale cancel, don't add to sum and total**: Points to the 'break;' statement in the 'case 0' block (line 106).
- For diesel**: Points to the 'case 2' block, which handles diesel purchases (lines 117-137).

```
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137

switch (dec_gasoline) {
case 1:
 System.out.println(" Your tank is fulling with gasoline.Wait!");
 System.out.println(" -----");
 counter_a++;

 break;
case 0:
 System.out.println(" Your selling has been canceled!");
 System.out.println(" -----");
 counter_c++;
 total_gasoline_liter = total_gasoline_liter-choice_liter_gasoline ;
 sum_gasoline_cost = sum_gasoline_cost - (choice_liter_gasoline * gasoline_cost);
 break;
default:
 System.out.println(" ! PLEASE PRESS 1 OR 0.DO NOT ENTER A VALUE OTHER THAN 1 AND 0!");
}
main_menu.main_menu();
System.out.println(" Current price: -Gasoline : " + gasoline_cost + " TL" + " -Diesel :"+diesel_cost+" TL"
 + " -Gas :"+gas_cost+" TL");
System.out.println(" -----");
break;
case 2:
 System.out.println(" How Much Liters DIESEL Do You Want To Buy ?");
 choice_liter_diesel = input.nextInt();

 sum_diesel_cost = sum_diesel_cost+ (choice_liter_diesel * diesel_cost);

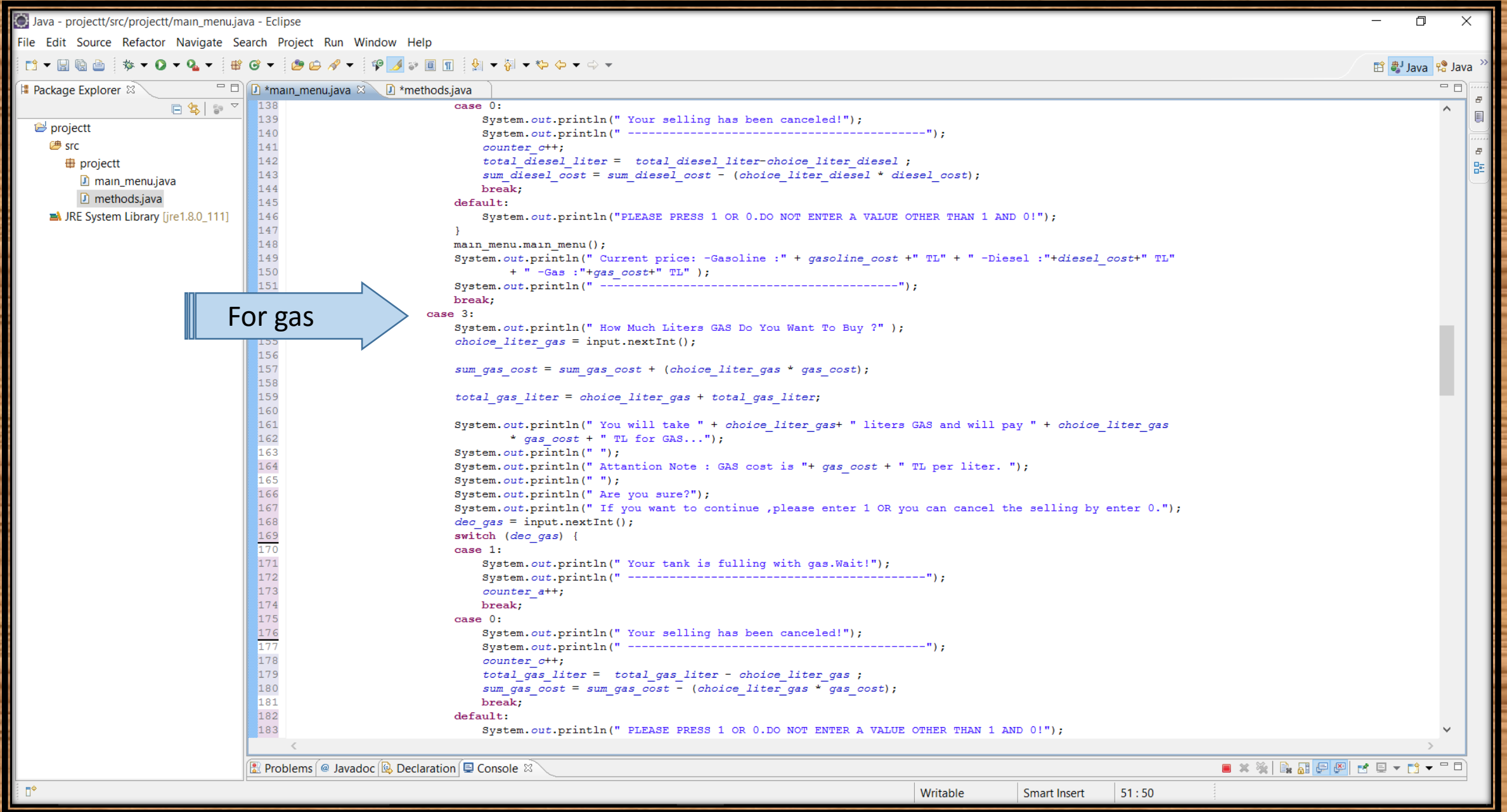
 total_diesel_liter = choice_liter_diesel + total_diesel_liter;

 System.out.println(" You will take " + choice_liter_diesel+ " liters DIESEL and will pay " + choice_liter_diesel
 * diesel_cost + " TL for DIESEL...");
 System.out.println(" ");
 System.out.println(" Attantion Note : DIESEL cost is "+ diesel_cost + " TL per liter. ");
 System.out.println(" ");
 System.out.println(" Are you sure?");
 System.out.println(" If you want to continue ,please enter 1 OR you can cancel the selling by enter 0.");
 dec_diesel = input.nextInt();
 switch (dec_diesel) {
 case 1:
 System.out.println(" Your tank is fulling with diesel.Wait!");
 System.out.println(" -----");
 counter_a++;

 break;
```

Problems | Javadoc | Declaration | Console | Writable | Smart Insert | 51 : 50

# CONTINUE PROGRAM CODE



The screenshot shows the Eclipse IDE with a Java project named 'projectt'. The package explorer on the left shows the project structure: 'projectt' contains 'src', which contains 'projectt', which contains 'main\_menu.java' and 'methods.java'. The 'main\_menu.java' file is open in the editor. The code is a switch statement that handles different user inputs. A blue arrow points to the 'case 3' block, which is labeled 'For gas'.

```
138 case 0:
139 System.out.println(" Your selling has been canceled!");
140 System.out.println(" -----");
141 counter_c++;
142 total_diesel_liter = total_diesel_liter - choice_liter_diesel ;
143 sum_diesel_cost = sum_diesel_cost - (choice_liter_diesel * diesel_cost);
144 break;
145 default:
146 System.out.println("PLEASE PRESS 1 OR 0.DO NOT ENTER A VALUE OTHER THAN 1 AND 0!");
147 }
148 main_menu.main_menu();
149 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
150 + " -Gas :"+gas_cost+" TL");
151 System.out.println(" -----");
152 break;
153 case 3:
154 System.out.println(" How Much Liters GAS Do You Want To Buy ?");
155 choice_liter_gas = input.nextInt();
156
157 sum_gas_cost = sum_gas_cost + (choice_liter_gas * gas_cost);
158
159 total_gas_liter = choice_liter_gas + total_gas_liter;
160
161 System.out.println(" You will take " + choice_liter_gas+ " liters GAS and will pay " + choice_liter_gas
162 + gas_cost + " TL for GAS...");
163 System.out.println(" ");
164 System.out.println(" Attention Note : GAS cost is "+ gas_cost + " TL per liter. ");
165 System.out.println(" ");
166 System.out.println(" Are you sure?");
167 System.out.println(" If you want to continue ,please enter 1 OR you can cancel the selling by enter 0.");
168 dec_gas = input.nextInt();
169 switch (dec_gas) {
170 case 1:
171 System.out.println(" Your tank is fulling with gas.Wait!");
172 System.out.println(" -----");
173 counter_a++;
174 break;
175 case 0:
176 System.out.println(" Your selling has been canceled!");
177 System.out.println(" -----");
178 counter_c++;
179 total_gas_liter = total_gas_liter - choice_liter_gas ;
180 sum_gas_oost = sum_gas_cost - (choice_liter_gas * gas_cost);
181 break;
182 default:
183 System.out.println(" PLEASE PRESS 1 OR 0.DO NOT ENTER A VALUE OTHER THAN 1 AND 0!");
```



# CONTINUE PROGRAM CODE

The screenshot shows the Eclipse IDE with a Java project named 'projectt'. The main editor displays the file 'main\_menu.java'. The code is a Java program that handles a menu system. Annotations with arrows point to specific parts of the code:

- For personal system**: Points to the 'case 9:' label in the switch statement.
- Validated password**: Points to the 'if (pass == qq) {' block.
- Personal System Menu**: Points to the menu options displayed within the 'case 9:' block.
- Read to user's decide**: Points to the 'switch (fpass) {' block.
- Learn accepts and cancels**: Points to the 'case 1:' block within the switch statement.

```
184 }
185 main_menu.main_menu();
186 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
187 + " -Gas :"+gas_cost+" TL");
188 System.out.println(" -----");
 break;
case 9:
 System.out.println(" Please enter password for Personal System...");
 for (i = 1;;) {
 pass = input.nextInt();

 if (pass == qq) {

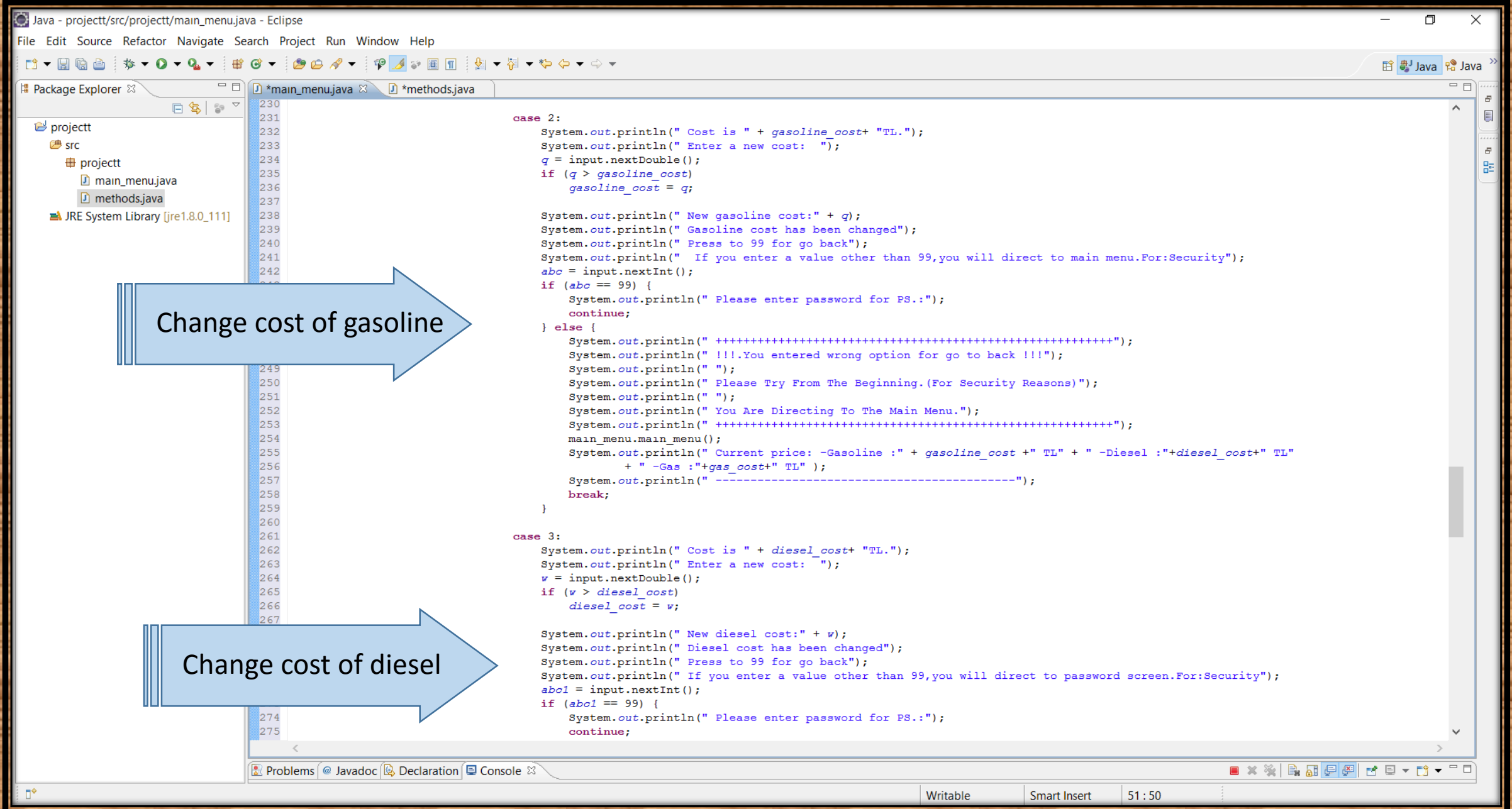
 System.out.println(" ");
 System.out.println(" ---You are in the Personal System--- ");
 System.out.println(" ");
 System.out.println(" - Press to 1 learn cancellations and acceptances. ");
 System.out.println(" - Press to 2 change the cost of gasoline.");
 System.out.println(" - Press to 3 change the cost of diesel. ");
 System.out.println(" - Press to 4 change the cost of gas. ");
 System.out.println(" - Press to 5 print the summary of day. ");
 System.out.println(" - Press to 6 change the password. ");
 System.out.println(" Press to 99 go to menu. ");

 fpass = input.nextInt();

 switch (fpass) {
 case 1:
 System.out.println(" Total accepts: " + counter_a);
 System.out.println(" Total cancels: " + counter_c);
 System.out.println(" Press to 99 for go back");
 System.out.println(" If you enter a value other than 99,you will direct to main menu.For:Security");
 abc = input.nextInt();
 if (abc == 99) {
 System.out.println(" Please enter password for PS.:");
 continue;
 } else
 System.out.println(" -----");
 System.out.println(" You Have Entered a Value Other Than 99. ");
 System.out.println(" So, You are directing to Main Menu!");
 System.out.println(" -----");
 main_menu.main_menu();
 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
 + " -Gas :"+gas_cost+" TL");
 System.out.println(" -----");
 break;
 }
 }
 }
}
```

At the bottom of the IDE, the status bar shows 'Writable', 'Smart Insert', and the time '51:50'.

# CONTINUE PROGRAM CODE



Java - projectt/src/projectt/main\_menu.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- projectt
  - src
    - projectt
      - main\_menu.java
      - methods.java
    - JRE System Library [jre1.8.0\_111]

Change cost of gasoline

```
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
274
275
```

```
case 2:
 System.out.println(" Cost is " + gasoline_cost+ "TL.");
 System.out.println(" Enter a new cost: ");
 q = input.nextDouble();
 if (q > gasoline_cost)
 gasoline_cost = q;

 System.out.println(" New gasoline cost:" + q);
 System.out.println(" Gasoline cost has been changed");
 System.out.println(" Press to 99 for go back");
 System.out.println(" If you enter a value other than 99,you will direct to main menu.For:Security");
 abc = input.nextInt();
 if (abc == 99) {
 System.out.println(" Please enter password for PS.:");
 continue;
 } else {
 System.out.println(" ++++++");
 System.out.println(" !!!You entered wrong option for go to back !!!");
 System.out.println(" ");
 System.out.println(" Please Try From The Beginning.(For Security Reasons)");
 System.out.println(" ");
 System.out.println(" You Are Directing To The Main Menu.");
 System.out.println(" ++++++");
 main_menu.main_menu();
 System.out.println(" Current price: -Gasoline :"+ gasoline_cost + " TL" + " -Diesel :"+diesel_cost+" TL"
 + " -Gas :"+gas_cost+" TL");
 System.out.println(" -----");
 break;
 }
}

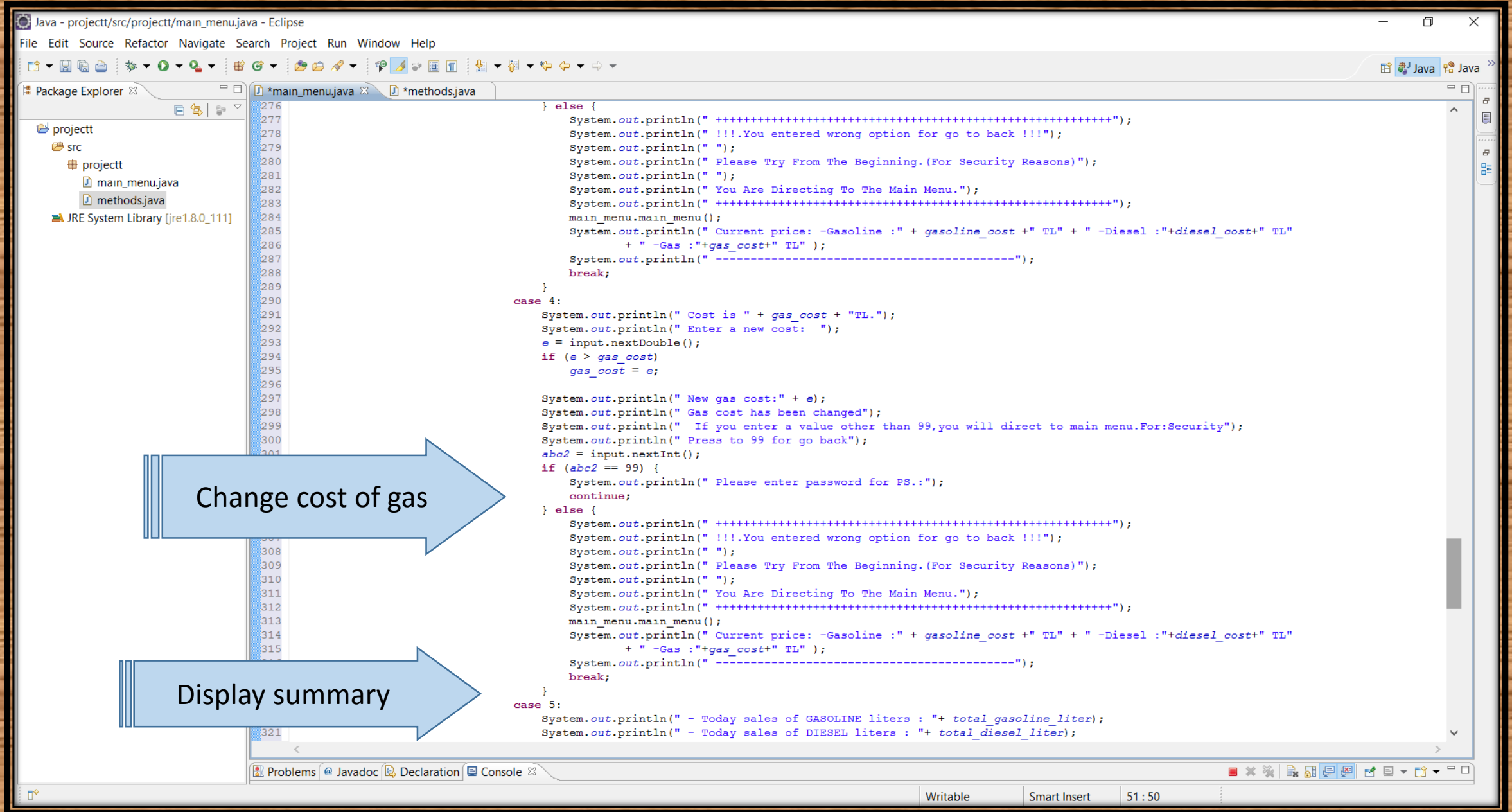
case 3:
 System.out.println(" Cost is " + diesel_cost+ "TL.");
 System.out.println(" Enter a new cost: ");
 w = input.nextDouble();
 if (w > diesel_cost)
 diesel_cost = w;

 System.out.println(" New diesel cost:" + w);
 System.out.println(" Diesel cost has been changed");
 System.out.println(" Press to 99 for go back");
 System.out.println(" If you enter a value other than 99,you will direct to password screen.For:Security");
 abc1 = input.nextInt();
 if (abc1 == 99) {
 System.out.println(" Please enter password for PS.:");
 continue;
 }
```

Problems @ Javadoc Declaration Console

Writabe Smart Insert 51 : 50

# CONTINUE PROGRAM CODE



Java - projectt/src/projectt/main\_menu.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- projectt
  - src
    - projectt
      - main\_menu.java
      - methods.java
- JRE System Library [jre1.8.0\_111]

main\_menu.java

```
276 } else {
277 System.out.println(" ++++++");
278 System.out.println(" !!!You entered wrong option for go to back !!!");
279 System.out.println(" ");
280 System.out.println(" Please Try From The Beginning.(For Security Reasons)");
281 System.out.println(" ");
282 System.out.println(" You Are Directing To The Main Menu.");
283 System.out.println(" ++++++");
284 main_menu.main_menu();
285 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
286 + " -Gas :"+gas_cost+" TL");
287 System.out.println(" -----");
288 break;
289 }
290 case 4:
291 System.out.println(" Cost is " + gas_cost + "TL.");
292 System.out.println(" Enter a new cost: ");
293 e = input.nextDouble();
294 if (e > gas_cost)
295 gas_cost = e;
296
297 System.out.println(" New gas cost:" + e);
298 System.out.println(" Gas cost has been changed");
299 System.out.println(" If you enter a value other than 99,you will direct to main menu.For:Security");
300 System.out.println(" Press to 99 for go back");
301 abc2 = input.nextInt();
302 if (abc2 == 99) {
303 System.out.println(" Please enter password for PS.");
304 continue;
305 } else {
306 System.out.println(" ++++++");
307 System.out.println(" !!!You entered wrong option for go to back !!!");
308 System.out.println(" ");
309 System.out.println(" Please Try From The Beginning.(For Security Reasons)");
310 System.out.println(" ");
311 System.out.println(" You Are Directing To The Main Menu.");
312 System.out.println(" ++++++");
313 main_menu.main_menu();
314 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
315 + " -Gas :"+gas_cost+" TL");
316 System.out.println(" -----");
317 break;
318 }
319 case 5:
320 System.out.println(" - Today sales of GASOLINE liters : "+ total_gasoline_liter);
321 System.out.println(" - Today sales of DIESEL liters : "+ total_diesel_liter);
```

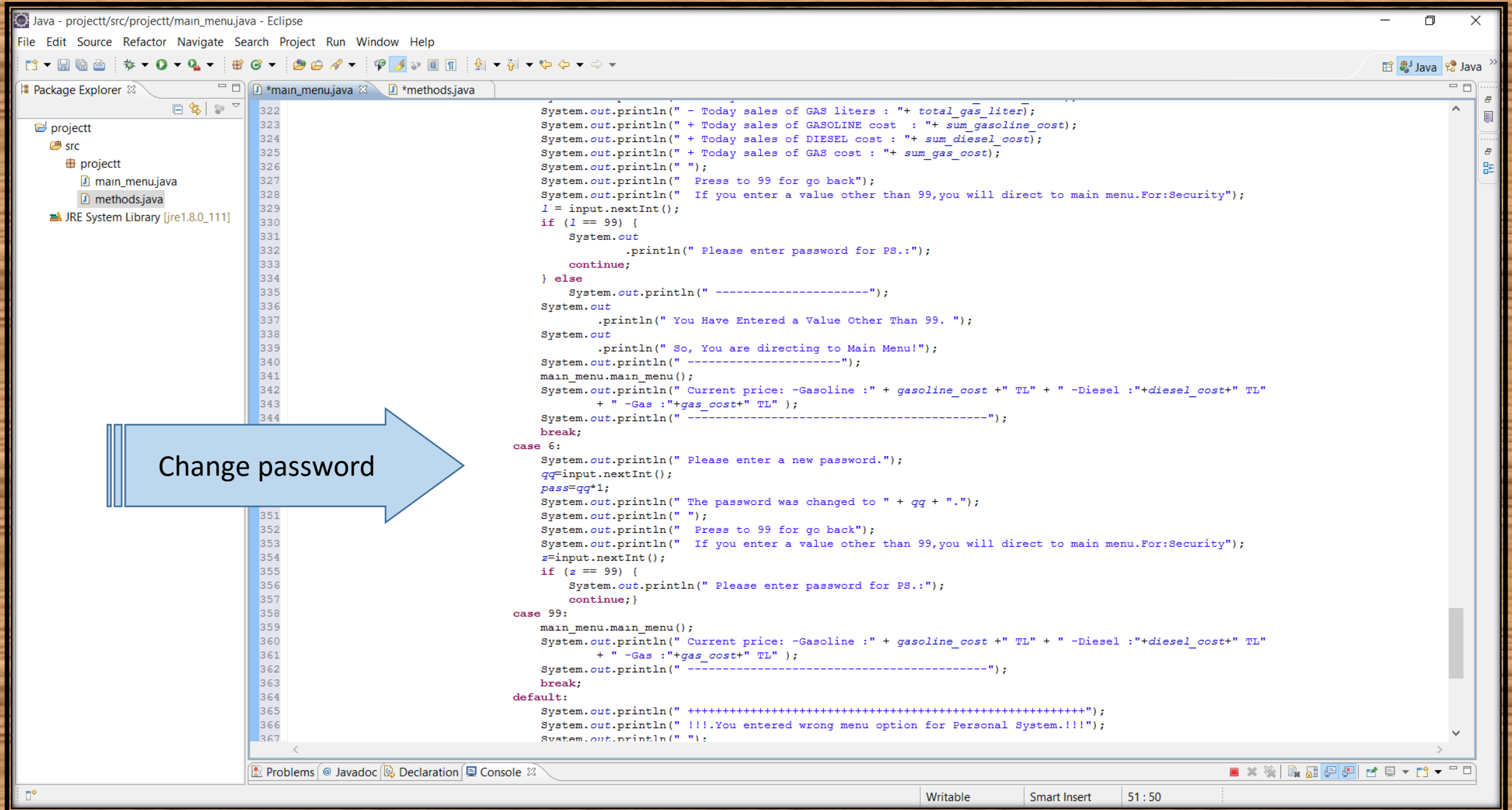
Change cost of gas

Display summary

Problems Javadoc Declaration Console

Writable Smart Insert 51 : 50

# CONTINUE PROGRAM CODE



The screenshot shows the Eclipse IDE with a Java project named 'projectt'. The package explorer on the left shows the project structure: 'projectt' contains 'src', which contains 'projectt', which contains 'main\_menu.java' and 'methods.java'. The 'main\_menu.java' file is open in the editor, showing the following code:

```
322 System.out.println(" - Today sales of GAS liters : "+ total_gas_liter);
323 System.out.println(" + Today sales of GASOLINE cost : "+ sum_gasoline_cost);
324 System.out.println(" + Today sales of DIESEL cost : "+ sum_diesel_cost);
325 System.out.println(" + Today sales of GAS cost : "+ sum_gas_cost);
326 System.out.println(" ");
327 System.out.println(" Press to 99 for go back");
328 System.out.println(" If you enter a value other than 99,you will direct to main menu.For:Security");
329 l = input.nextInt();
330 if (l == 99) {
331 System.out
332 .println(" Please enter password for PS.:");
333 continue;
334 } else
335 System.out.println(" -----");
336 System.out
337 .println(" You Have Entered a Value Other Than 99. ");
338 System.out
339 .println(" So, You are directing to Main Menu!");
340 System.out.println(" -----");
341 main_menu.main_menu();
342 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
343 + " -Gas :"+gas_cost+" TL");
344 System.out.println(" -----");
345 break;
346 case 6:
347 System.out.println(" Please enter a new password.");
348 qq=input.nextInt();
349 pass=qq*1;
350 System.out.println(" The password was changed to " + qq + ".");
351 System.out.println(" ");
352 System.out.println(" Press to 99 for go back");
353 System.out.println(" If you enter a value other than 99,you will direct to main menu.For:Security");
354 z=input.nextInt();
355 if (z == 99) {
356 System.out.println(" Please enter password for PS.:");
357 continue;}
358 case 99:
359 main_menu.main_menu();
360 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
361 + " -Gas :"+gas_cost+" TL");
362 System.out.println(" -----");
363 break;
364 default:
365 System.out.println(" ++++++");
366 System.out.println(" !!!You entered wrong menu option for Personal System!!!");
367 System.out.println(" ");
```

A large blue arrow points to the 'continue;' statement on line 333, with the text 'Change password' written inside it.



# FINISH FIRST CLASS FROM PROGRAM CODE

The screenshot shows the Eclipse IDE with a Java project named 'projectt'. The Package Explorer on the left shows the project structure: 'projectt' contains 'src', which contains 'projectt', which contains 'main\_menu.java' and 'methods.java'. The main editor displays the code in 'main\_menu.java'.

The code is a Java program for a menu system. It includes a switch statement for handling menu options. Three blue arrows highlight specific parts of the code:

- Default from Personal System:** Points to the 'case 99:' block, which calls 'main\_menu.main\_menu()' and prints the current price for Gasoline and Diesel.
- Else from screen of password:** Points to the 'else {' block, which handles password validation. It prints 'You entered wrong password.', 'Please Try Again', and 'Password: '.
- Default from Buying Menu:** Points to the 'default: // main menu default' block, which calls 'main\_menudef.main\_menudef()' and prints the current price for Gasoline and Diesel.

```
352 System.out.println(" Press to 99 for go back");
353 System.out.println(" If you enter a value other than 99,you will direct to main menu.For:Security");
354 z=input.nextInt();
355 if (z == 99) {
356 System.out.println(" Please enter password for PS.:");
357 continue;}
358 case 99:
359 main_menu.main_menu();
360 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
361 + " -Gas :"+gas_cost+" TL");
362 System.out.println(" -----");
363 break;
364 default:
365 System.out.println(" ++++++");
366 System.out.println(" !!!You entered wrong menu option for Personal System.!!!");
367 System.out.println(" ");
368 System.out.println(" Please Try From The Beginning. (For Security Reasons)");
369 System.out.println(" ");
370 System.out.println(" You Are Directing To The Main Menu.");
371 System.out.println(" ++++++");
372 main_menu.main_menu();
373 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
374 + " -Gas :"+gas_cost+" TL");
375 System.out.println(" -----");
376 }
377 break;
378 }
379 else {
380 System.out.println("-----");
381 System.out.println(" You entered wrong password.");
382 System.out.println(" Please Try Again");
383 System.out.println(" Password: ");
384 }
385 }
386 break;
387 default:// main menu default
388 main_menudef.main_menudef();
389 System.out.println(" Current price: -Gasoline :"+ gasoline_cost +" TL" + " -Diesel :"+diesel_cost+" TL"
390 + " -Gas :"+gas_cost+" TL");
391 System.out.println(" -----");
392 }
393 }
394 }
395 }
396 }
397 }
```

Writable Smart Insert 51 : 50

# SECOND CLASS FROM PROGRAM CODE

The screenshot shows the Eclipse IDE with the following components:

- Package Explorer:** Shows the project structure with 'projectt' containing 'src', which contains 'projectt', 'main\_menu.java', and 'methods.java'. The 'JRE System Library [jre1.8.0\_111]' is also listed.
- Editor:** Displays the code for 'methods.java'. The code is as follows:

```
1 package projectt;
2 public class methods {
3
4 public void wellcome() {
5 System.out.println("-----");
6 System.out.println(" |");
7 System.out.println(" | WELCOME TO AUTOFULLER |");
8 System.out.println(" | This screen belong to authorized person. |");
9 System.out.println(" | This screen wont show any one more times. |");
10 System.out.println(" | So, we must do some configuration. |");
11 System.out.println(" | We firstly configuration fuel of type cost. |");
12 System.out.println(" |-----");
13 System.out.println(" ");
14 }
15
16 public void main_menu() {
17 System.out.println("-----");
18 System.out.println(" ///// WHAT DO YOU GET? ///// ");
19 System.out.println(" If you are get Gasoline,please enter 1. ");
20 System.out.println(" If you are get Diesel,please enter 2. ");
21 System.out.println(" If you are get Gas,please enter 3. ");
22 System.out.println(" ");
23 System.out.println(" ");
24 System.out.println(" ");
25 System.out.println(" Press to 9 for System Menu");
26 System.out.println("-----");
27 }
28
29 public void main_menudef() {
30 System.out.println("----- Wrong Entered -----");
31 System.out.println(" ");
32 System.out.println("-----Please Try Again-----");
33 System.out.println(" ");
34 System.out.println(" ///// WHAT DO YOU GET ? ///// ");
35 System.out.println(" If you are get Gasoline,please enter 1. ");
36 System.out.println(" If you are get Diesel,please enter 2. ");
37 System.out.println(" If you are get Gas,please enter 3. ");
38 System.out.println(" ");
39 System.out.println(" ");
40 System.out.println(" Press to 9 for System Menu");
41 System.out.println("-----");
42 }
43 }
44
```
- Annotations:** Three blue arrows point from the code to text boxes on the right:
  - Arrow 1 points to the 'wellcome()' method and the text: "Display wellcome writings."
  - Arrow 2 points to the 'main\_menu()' method and the text: "Display buying menu."
  - Arrow 3 points to the 'main\_menudef()' method and the text: "Display wrong option on buying menu."
- Bottom Bar:** Shows 'Problems', 'Javadoc', 'Declaration', and 'Console' tabs. The status bar at the bottom indicates 'Writable', 'Smart Insert', and '44 : 1'.

**CREATED BY:**

**MUSTAFA SARIGUL**

**M.EMIR OZCOPUR**

**ISMAIL ALP SEL**