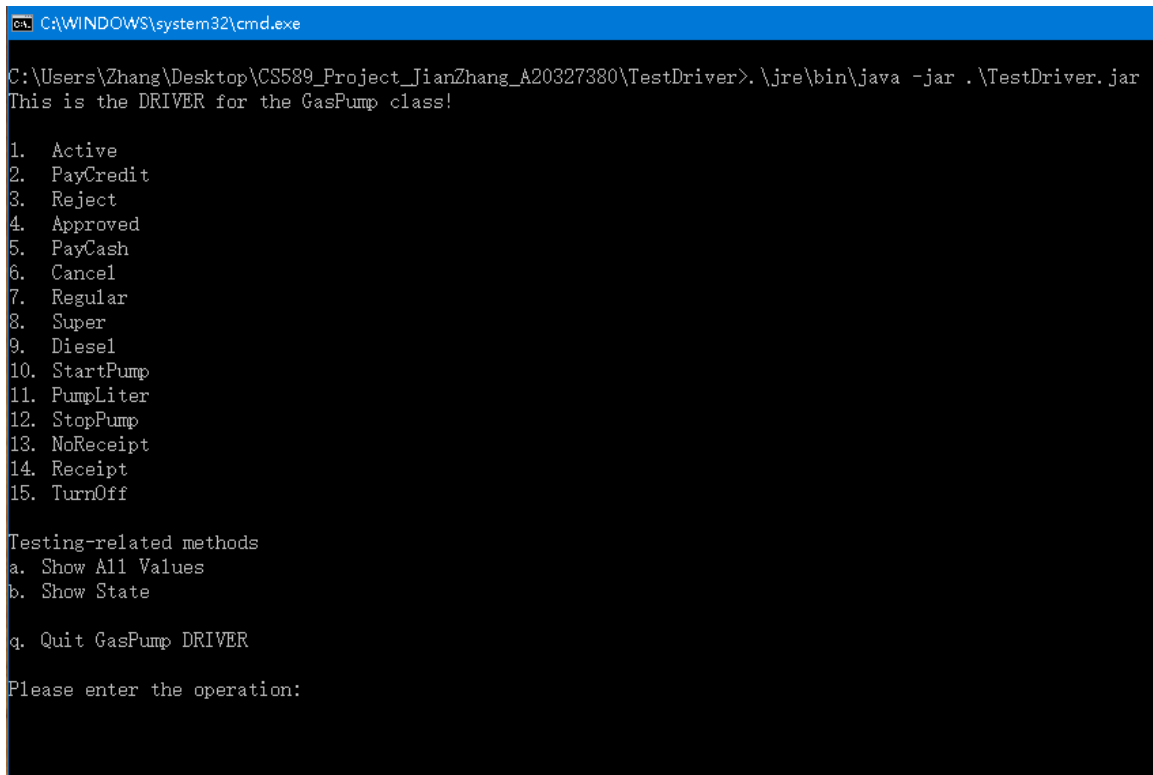


This is the runnable test driver. In order to have a good performance, I suggest to copy the whole “TestDriver” folder into your own computer.

Steps to run test driver:

1. Open the “**StartTestDriver.bat**” file. This will open a dos window, then user can max this window to show the full information.
2. After the processing of the program, the main menu will display on the screen. The Fig.1 shows the main menu.



```
C:\WINDOWS\system32\cmd.exe
C:\Users\Zhang\Desktop\CS589_Project_JianZhang_A20327380\TestDriver>.\jre\bin\java -jar .\TestDriver.jar
This is the DRIVER for the GasPump class!

1. Active
2. PayCredit
3. Reject
4. Approved
5. PayCash
6. Cancel
7. Regular
8. Super
9. Diesel
10. StartPump
11. PumpLiter
12. StopPump
13. NoReceipt
14. Receipt
15. TurnOff

Testing-related methods
a. Show All Values
b. Show State

q. Quit GasPump DRIVER

Please enter the operation:
```

Fig.1 Main menu after starting the test driver

3. Then, based on the test case, enter the different operation's number to execute the corresponding method. Press "Enter" to confirm. Fig.2 shows the result of operation Activate (2, 3, 4).

```
C:\WINDOWS\system32\cmd.exe
C:\Users\Zhang\Desktop\CS589_Project_JianZhang_A20327380\TestDriver>.\jre\bin\java -jar .\TestDriver.jar
This is the DRIVER for the GasPump class!

1. Active
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9. Diesel
10. StartPump
11. PumpLiter
12. StopPump
13. NoReceipt
14. Receipt
15. TurnOff

Testing-related methods
a. Show All Values
b. Show State

q. Quit GasPump DRIVER

Please enter the operation:
1
GasPump class
Activate(float a, float b, float d) method

Please enter value of a:
2
Please enter value of b:
3
Please enter value of d:
4
GAS PUMP IS ON
The value returned by the method is:1

*****
```

Fig.2 Result of Activate (2, 3, 4)

4. Enter “a” and press “Enter” will execute the testing oriented method “Show All Values”. This method will show all the variables and their current values. Fig.3 show the values after Activate (2, 3, 4).

```
*****
This is the DRIVER for the GasPump class!

1. Active
2. PayCredit
3. Reject
4. Approved
5. PayCash
6. Cancel
7. Regular
8. Super
9. Diesel
10. StartPump
11. PumpLiter
12. StopPump
13. NoReceipt
14. Receipt
15. TurnOff

Testing-related methods
a. Show All Values
b. Show State

q. Quit GasPump DRIVER

Please enter the operation:
a
GasPump class
Show_All_Values() testing-related method

Regular Price = 2.0
Super Price   = 3.0
Diesel Price  = 4.0
w             = 0
price         = 0.0
L             = 0
total         = 0.0
cash          = 0.0
k             = 0
```

Fig.3 Execute “Show All Values” after Activate (2, 3, 4)

5. Enter “b” and press “Enter” will execute the testing oriented method “Show State”. This method will show current state. Fig.4 show the state after Activate (2, 3, 4).

```
*****
This is the DRIVER for the GasPump class!

1. Active
2. PayCredit
3. Reject
4. Approved
5. PayCash
6. Cancel
7. Regular
8. Super
9. Diesel
10. StartPump
11. PumpLiter
12. StopPump
13. NoReceipt
14. Receipt
15. TurnOff

Testing-related methods
a. Show All Values
b. Show State

q. Quit GasPump DRIVER

Please enter the operation:
b
GasPump class
Show_State() testing-related method

Now the system is at:
S0
```

Fig.4 Execute “Show State” after Activate (2, 3, 4)

6. Enter “q” and press “Enter” will exit the test driver and close the dos window.