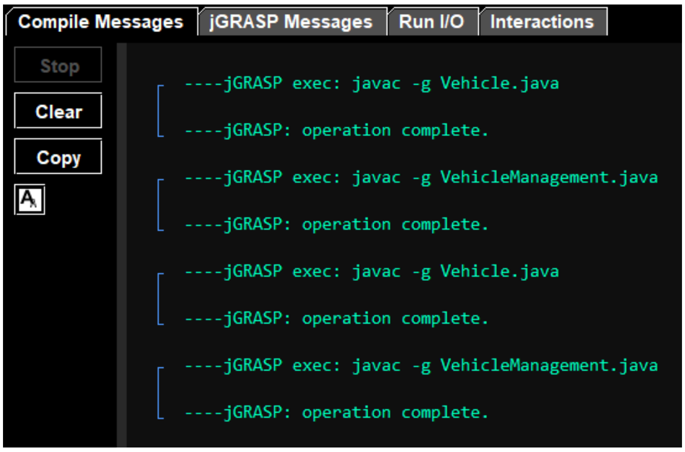
Kyla Jamela V. Maniscan BSIT1A-IS April 11, 2024



```
----jGRASP exec: javac -g Vehicle.java

----jGRASP: operation complete.

----jGRASP exec: javac -g VehicleManagement.java

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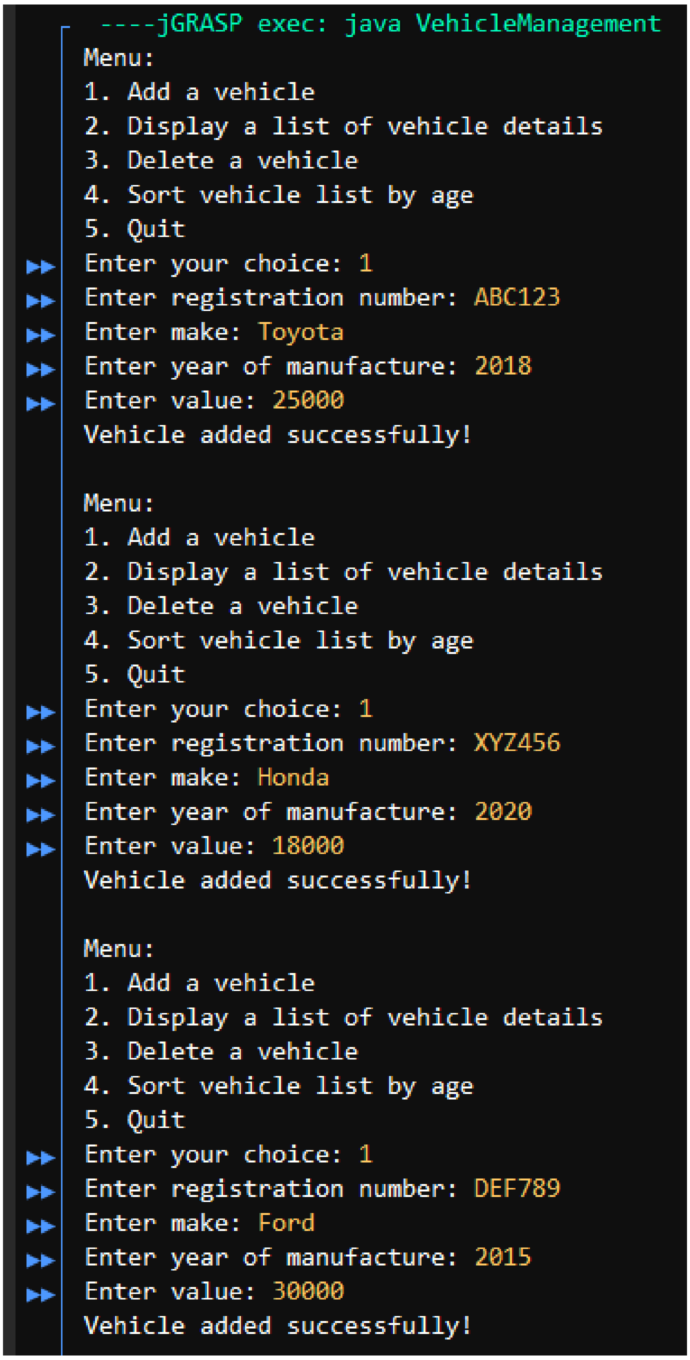
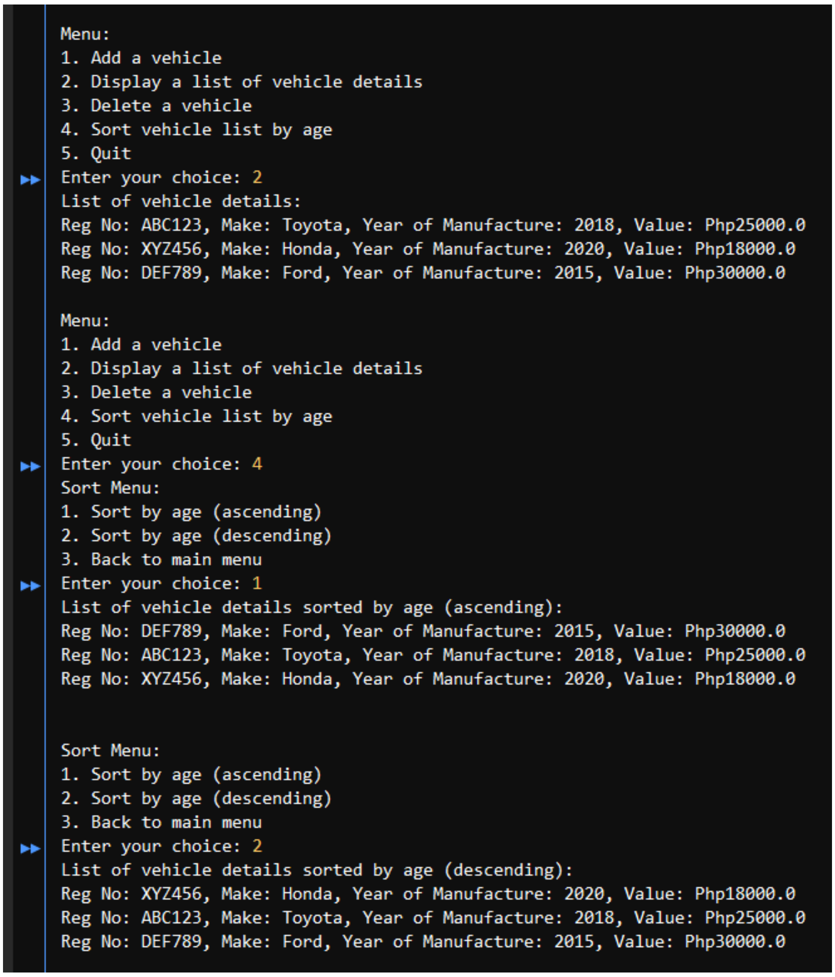


```
 ----jGRASP exec: java VehicleManagement
Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 1
Enter registration number: ABC123
Enter make: Toyota
Enter year of manufacture: 2018
Enter value: 25000
Vehicle added successfully!

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 1
Enter registration number: XYZ456
Enter make: Honda
Enter year of manufacture: 2020
Enter value: 18000
Vehicle added successfully!

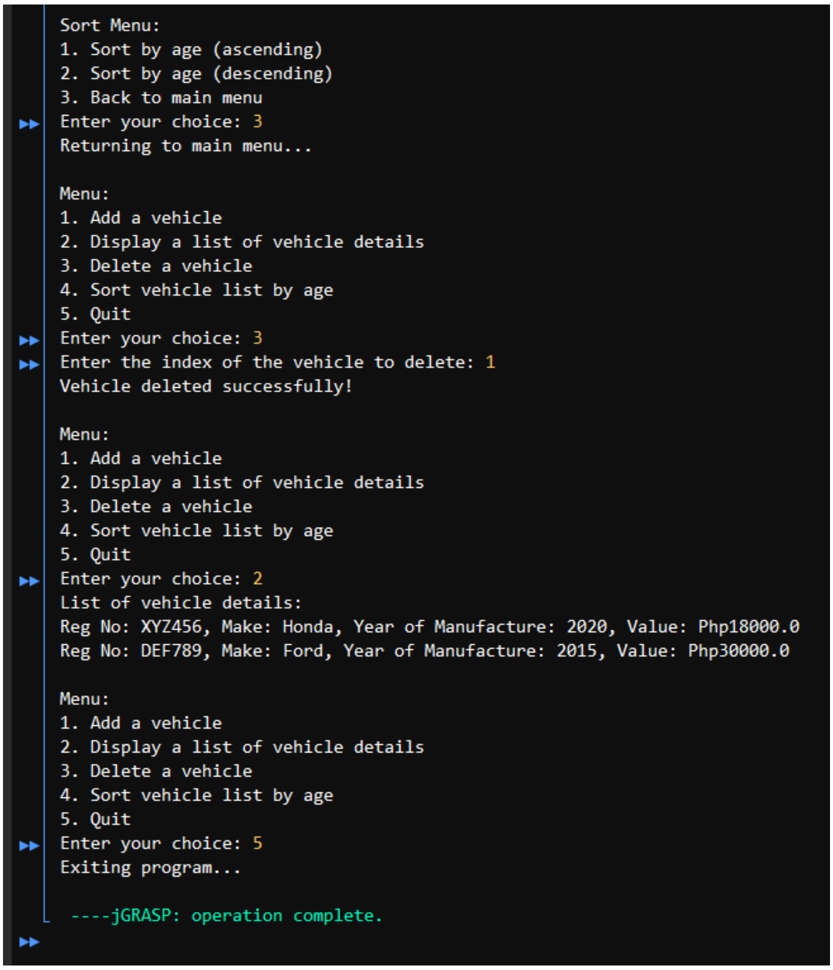
Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 1
Enter registration number: DEF789
Enter make: Ford
Enter year of manufacture: 2015
Enter value: 30000
Vehicle added successfully!
```



```
Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 2
List of vehicle details:
Reg No: ABC123, Make: Toyota, Year of Manufacture: 2018, Value: Php25000.0
Reg No: XYZ456, Make: Honda, Year of Manufacture: 2020, Value: Php18000.0
Reg No: DEF789, Make: Ford, Year of Manufacture: 2015, Value: Php30000.0

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 4
Sort Menu:
1. Sort by age (ascending)
2. Sort by age (descending)
3. Back to main menu
Enter your choice: 1
List of vehicle details sorted by age (ascending):
Reg No: DEF789, Make: Ford, Year of Manufacture: 2015, Value: Php30000.0
Reg No: ABC123, Make: Toyota, Year of Manufacture: 2018, Value: Php25000.0
Reg No: XYZ456, Make: Honda, Year of Manufacture: 2020, Value: Php18000.0


Sort Menu:
1. Sort by age (ascending)
2. Sort by age (descending)
3. Back to main menu
Enter your choice: 2
List of vehicle details sorted by age (descending):
Reg No: XYZ456, Make: Honda, Year of Manufacture: 2020, Value: Php18000.0
Reg No: ABC123, Make: Toyota, Year of Manufacture: 2018, Value: Php25000.0
Reg No: DEF789, Make: Ford, Year of Manufacture: 2015, Value: Php30000.0
```



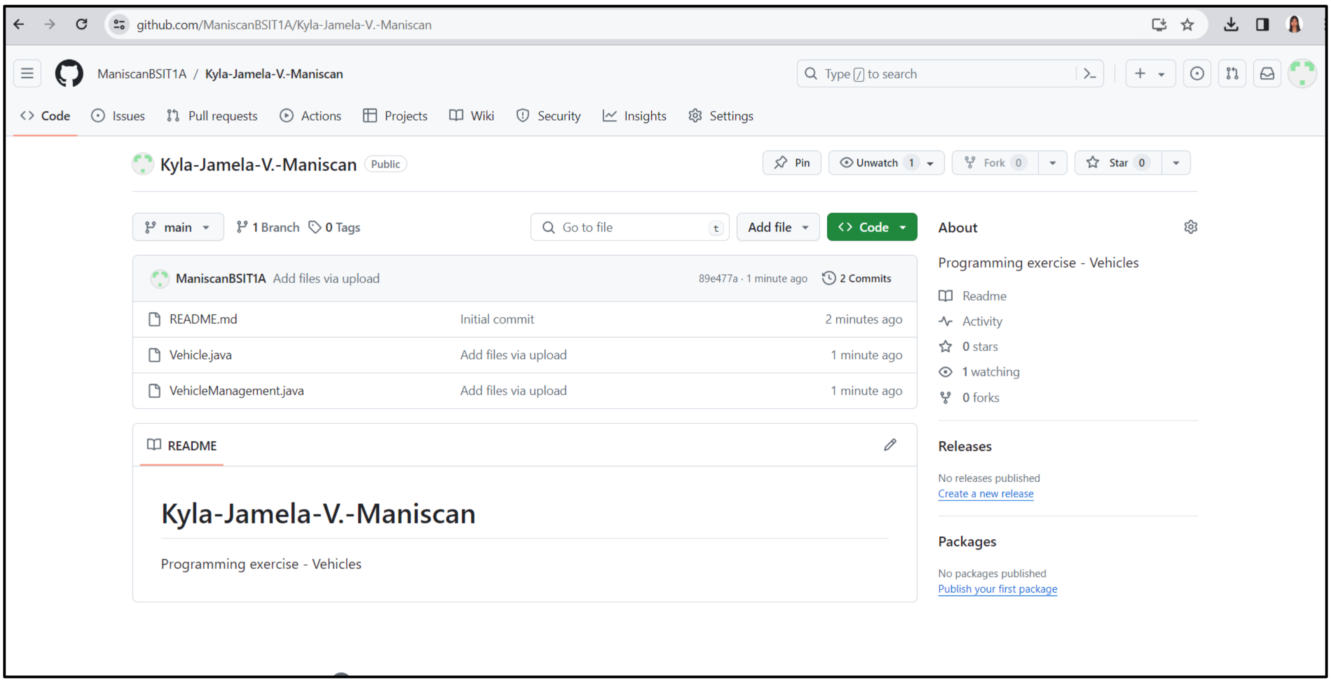
```
Sort Menu:
1. Sort by age (ascending)
2. Sort by age (descending)
3. Back to main menu
Enter your choice: 3
Returning to main menu...

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 3
Enter the index of the vehicle to delete: 1
Vehicle deleted successfully!

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 2
List of vehicle details:
Reg No: XYZ456, Make: Honda, Year of Manufacture: 2020, Value: Php18000.0
Reg No: DEF789, Make: Ford, Year of Manufacture: 2015, Value: Php30000.0

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 5
Exiting program...

 ----jGRASP: operation complete.
```



Kyla-Jamela-V.-Maniscan Public

ManiscanBSIT1A Add files via upload 89e477a · 1 minute ago 2 Commits

README.md	Initial commit	2 minutes ago
Vehicle.java	Add files via upload	1 minute ago
VehicleManagement.java	Add files via upload	1 minute ago

README

Kyla-Jamela-V.-Maniscan

Programming exercise - Vehicles

About

Programming exercise - Vehicles

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0 forks

Releases

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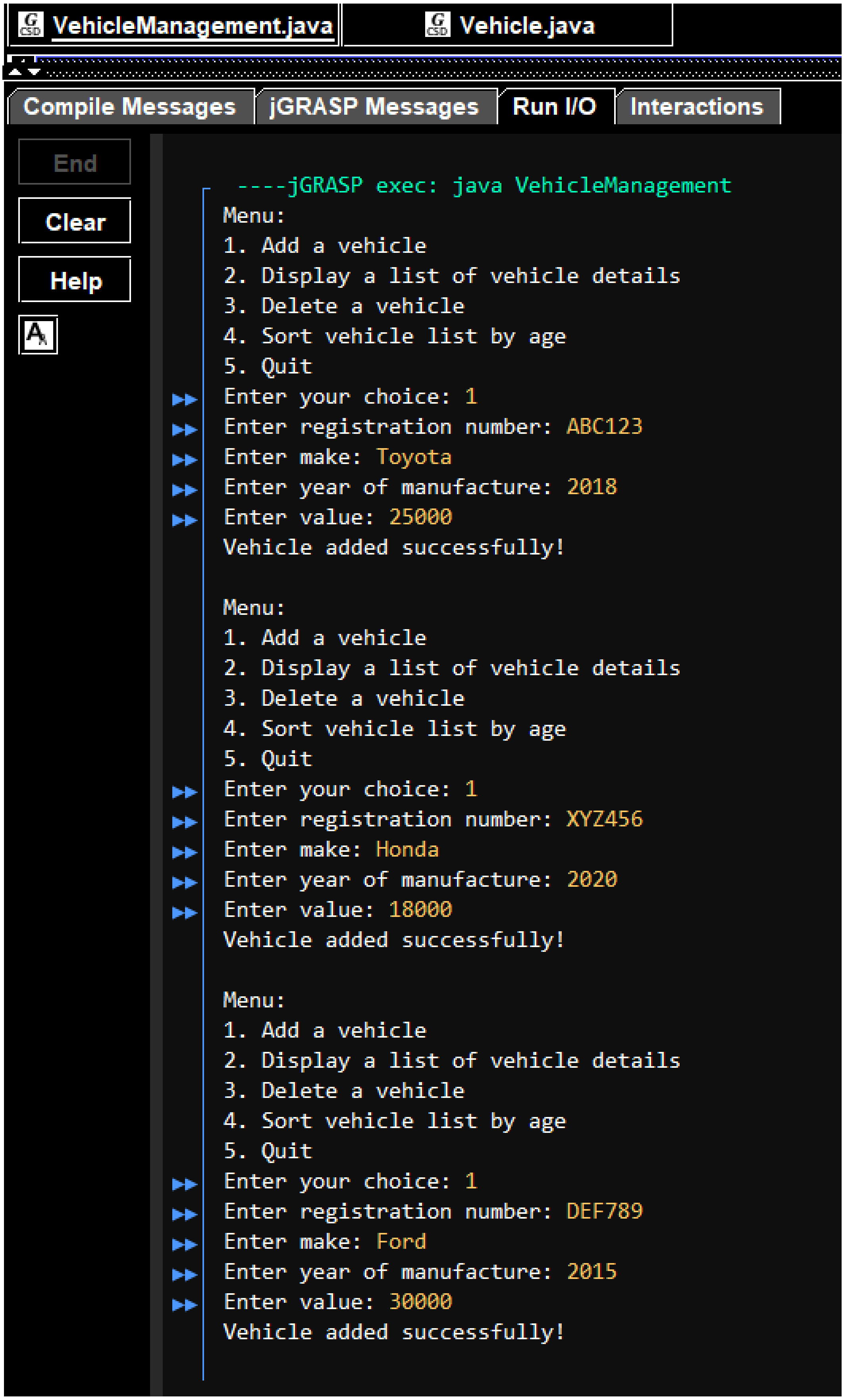
Create a new release

Packages

No packages published
Publish your first package



```
 ----jGRASP exec: java VehicleManagement
Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 1
Enter registration number: ABC123
Enter make: Toyota
Enter year of manufacture: 2018
Enter value: 25000
Vehicle added successfully!

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 1
Enter registration number: XYZ456
Enter make: Honda
Enter year of manufacture: 2020
Enter value: 18000
Vehicle added successfully!

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 1
Enter registration number: DEF789
Enter make: Ford
Enter year of manufacture: 2015
Enter value: 30000
Vehicle added successfully!
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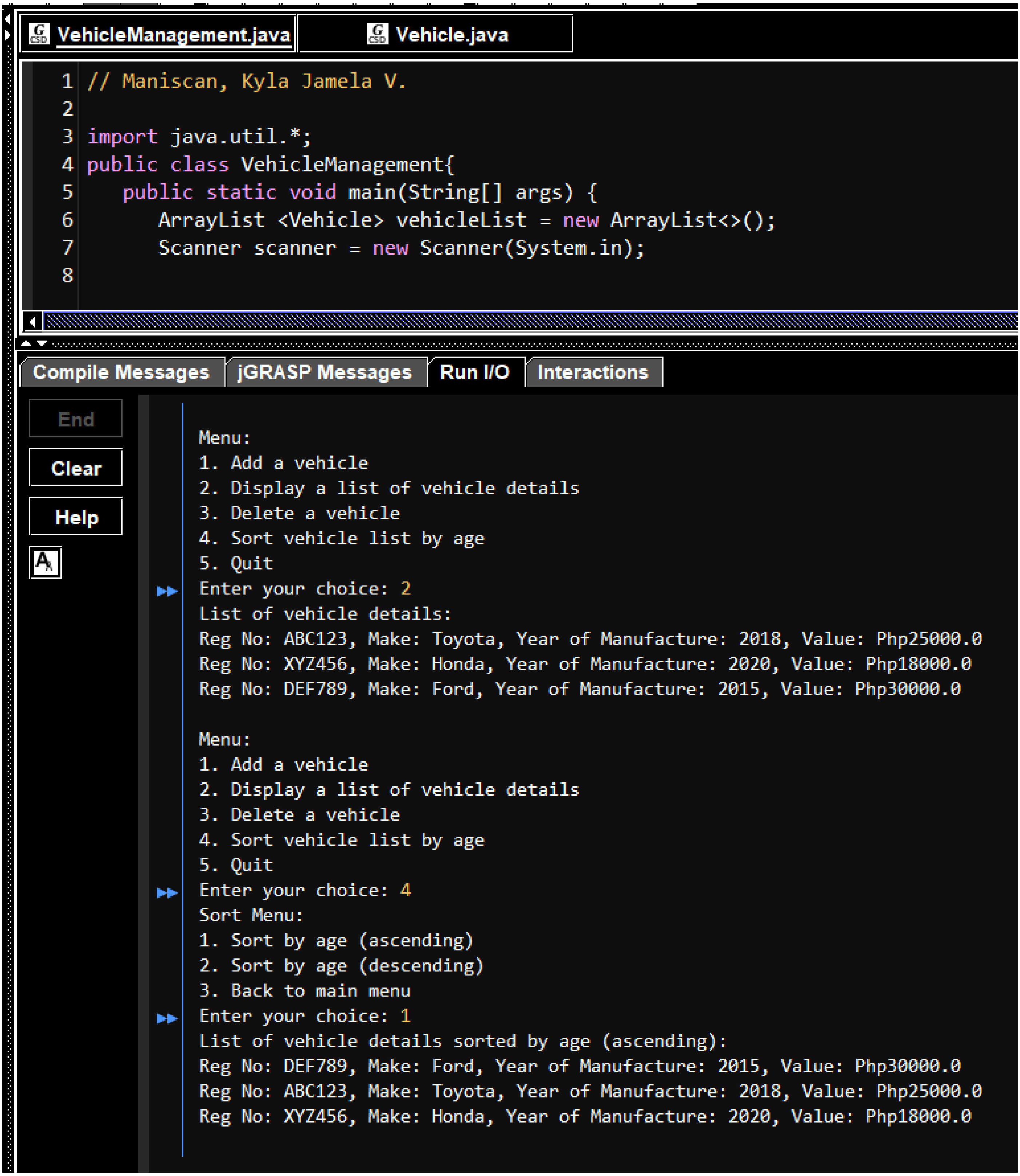
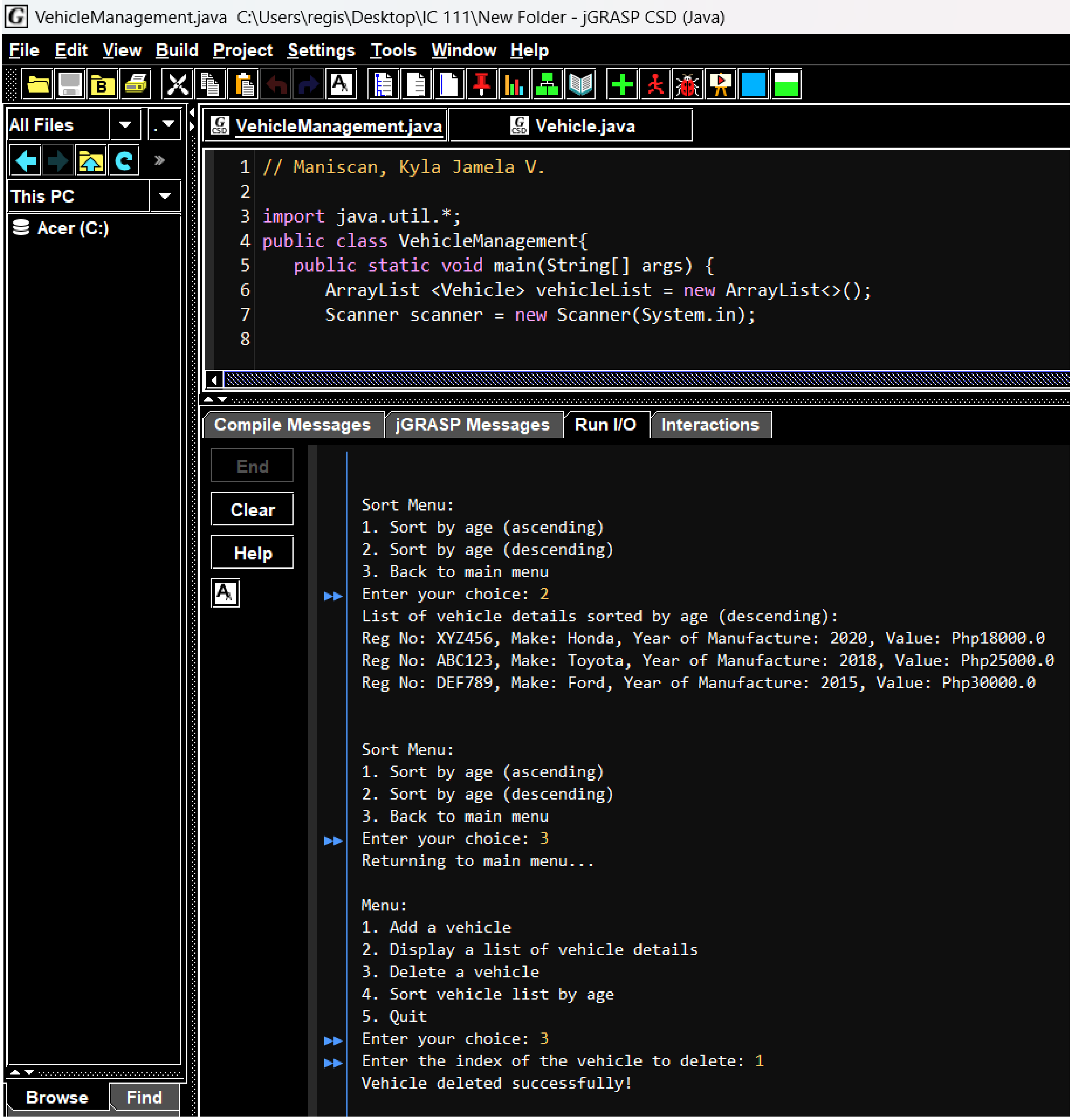


```java
// Maniscan, Kyla Jamela V.

import java.util.*;
public class VehicleManagement{
   public static void main(String[] args) {
      ArrayList <Vehicle> vehicleList = new ArrayList<>();
      Scanner scanner = new Scanner(System.in);

```

```

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 2
List of vehicle details:
Reg No: ABC123, Make: Toyota, Year of Manufacture: 2018, Value: Php25000.0
Reg No: XYZ456, Make: Honda, Year of Manufacture: 2020, Value: Php18000.0
Reg No: DEF789, Make: Ford, Year of Manufacture: 2015, Value: Php30000.0

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 4
Sort Menu:
1. Sort by age (ascending)
2. Sort by age (descending)
3. Back to main menu
Enter your choice: 1
List of vehicle details sorted by age (ascending):
Reg No: DEF789, Make: Ford, Year of Manufacture: 2015, Value: Php30000.0
Reg No: ABC123, Make: Toyota, Year of Manufacture: 2018, Value: Php25000.0
Reg No: XYZ456, Make: Honda, Year of Manufacture: 2020, Value: Php18000.0
```


VehicleManagement.java C:\Users\regis\Desktop\IC 111\New Folder - jGRASP CSD (Java)
File Edit View Build Project Settings Tools Window Help
All Files
This PC
Acer (C:)
VehicleManagement.java
Vehicle.java
Compile Messages
jGRASP Messages
Run I/O
Interactions
End
Clear
Help
Browse
Find

```java
// Maniscan, Kyla Jamela V.

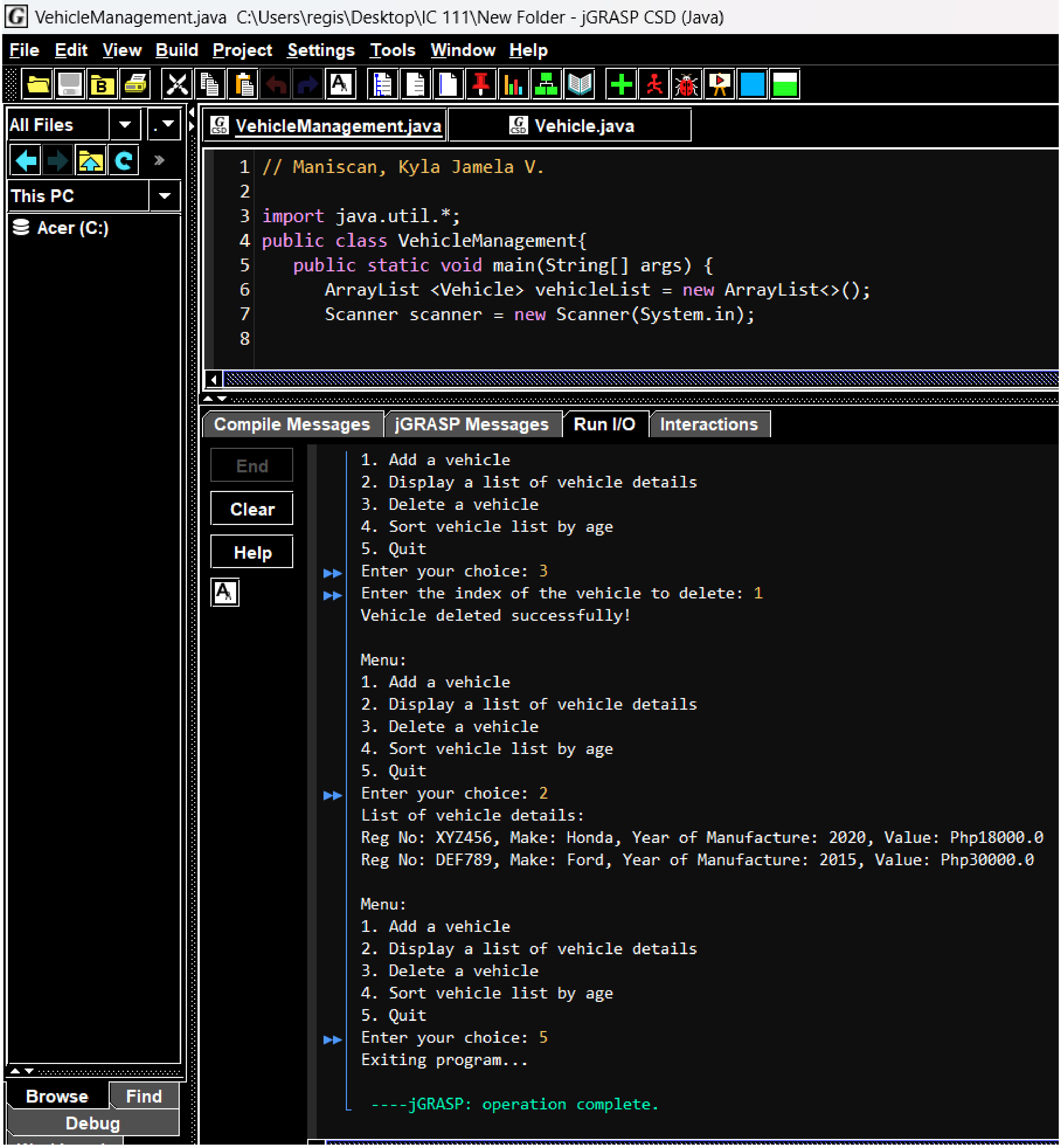
import java.util.*;
public class VehicleManagement{
   public static void main(String[] args) {
      ArrayList <Vehicle> vehicleList = new ArrayList<>();
      Scanner scanner = new Scanner(System.in);

```

```
Sort Menu:
1. Sort by age (ascending)
2. Sort by age (descending)
3. Back to main menu
Enter your choice: 2
List of vehicle details sorted by age (descending):
Reg No: XYZ456, Make: Honda, Year of Manufacture: 2020, Value: Php18000.0
Reg No: ABC123, Make: Toyota, Year of Manufacture: 2018, Value: Php25000.0
Reg No: DEF789, Make: Ford, Year of Manufacture: 2015, Value: Php30000.0


Sort Menu:
1. Sort by age (ascending)
2. Sort by age (descending)
3. Back to main menu
Enter your choice: 3
Returning to main menu...

Menu:
1. Add a vehicle
2. Display a list of vehicle details
3. Delete a vehicle
4. Sort vehicle list by age
5. Quit
Enter your choice: 3
Enter the index of the vehicle to delete: 1
Vehicle deleted successfully!
```



VehicleManagement.java C:\Users\regis\Desktop\IC 111\New Folder - jGRASP CSD (Java)
File Edit View Build Project Settings Tools Window Help
All Files
This PC
Acer (C:)
VehicleManagement.java
Vehicle.java
Compile Messages
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import java.util.*;
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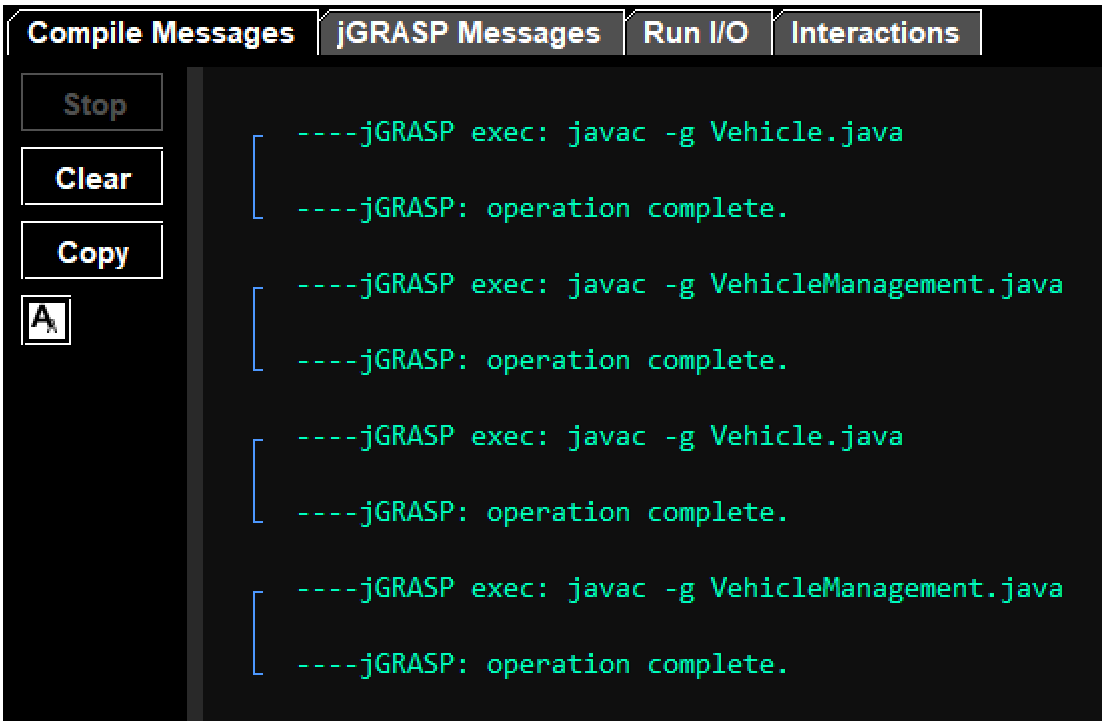
```

```
 1. Add a vehicle
 2. Display a list of vehicle details
 3. Delete a vehicle
 4. Sort vehicle list by age
 5. Quit
 Enter your choice: 3
 Enter the index of the vehicle to delete: 1
 Vehicle deleted successfully!

 Menu:
 1. Add a vehicle
 2. Display a list of vehicle details
 3. Delete a vehicle
 4. Sort vehicle list by age
 5. Quit
 Enter your choice: 2
 List of vehicle details:
 Reg No: XYZ456, Make: Honda, Year of Manufacture: 2020, Value: Php18000.0
 Reg No: DEF789, Make: Ford, Year of Manufacture: 2015, Value: Php30000.0

 Menu:
 1. Add a vehicle
 2. Display a list of vehicle details
 3. Delete a vehicle
 4. Sort vehicle list by age
 5. Quit
 Enter your choice: 5
 Exiting program...

  ----jGRASP: operation complete.
```



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