**Vehicle Inventory Management**

The program consists of a class which represents an Automobile. It has various features like color, model, make etc. There is another driver program which uses the automobile class to make and mange an inventory of vehicles. There are functionality to add new vehicle, update vehicle, delete vehicle, modify vehicle etc. This is a menu based program and user can manage vehicles and also write information to file. It also includes two methods to test the class. To run the program, navigate to the directory and type python automobile.py

**Sample run**

menu

1. Add Vehicle

2. Remove Vehicle

3.Display all vehicles

4. Write all vheicles to file

5. Update Vehicle

Enter the corresponding number, enter any other key to exit : 1

Enter make : a

Enter model : b

Enter color : c

Enter year : 1

Enter mileage : 2

Vehice added with id : 0

menu

1. Add Vehicle

2. Remove Vehicle

3.Display all vehicles

4. Write all vheicles to file

5. Update Vehicle

Enter the corresponding number, enter any other key to exit : 5

Enter vehicle id to update0

Vehicle Deleted

Add new details

Enter make : g

Enter model : h

Enter color : j

Enter year : 5

Enter mileage : 6

Vehice added with id : 0

menu

1. Add Vehicle

2. Remove Vehicle

3.Display all vehicles

4. Write all vheicles to file

5. Update Vehicle

Enter the corresponding number, enter any other key to exit : 3

Make:g Color:j Model:h Year: 5 Mileage:6

menu

1. Add Vehicle

2. Remove Vehicle

3.Display all vehicles

4. Write all vheicles to file

5. Update Vehicle

Enter the corresponding number, enter any other key to exit : 4

menu

1. Add Vehicle

2. Remove Vehicle

3.Display all vehicles

4. Write all vheicles to file

5. Update Vehicle

Enter the corresponding number, enter any other key to exit : 6

**To run test cases**

Navigate to directory where file is located and type python test\_automobile,py