

## Sample run

\*\*\*\*\*Welcome to Delta Airlines Aircraft Management System\*\*\*\*\*

What do you want to do?

- 1 Add an Aircraft
- 2 Display the Fleet
- 3 Display Aircraft That Need Maintenance
- 4 Display Aircraft Next Maintenance Date/Miles
- 5 Record Miles Traveled
- 6 Record Maintenance
- 7 Retire Aircraft
- 8 Load from a file
- 9 Write to a file
- 10 Quit

Please enter your choice(1-11): 8

Enter the name of the file to be read: **deltafleet.txt**

Number of vehicles in fleet: 4

- 1 Add an Aircraft
- 2 Display the Fleet
- 3 Display Aircraft That Need Maintenance
- 4 Display Aircraft Next Maintenance Date/Miles
- 5 Record Miles Traveled
- 6 Record Maintenance
- 7 Retire Aircraft
- 8 Load from a file
- 9 Write to a file
- 10 Quit

Please enter your choice(1-11): 1

Enter the registration number: **C98765432**

Enter the manufacturer: **Boeing**

Enter the model of aircraft: **747-400**

Enter year of vehicle: **1977**

Enter the crew size: **18**

Enter the range of the aircraft: **5260**

Enter the current air miles: **820000**

Enter the maximum take-off weight: **345000**

Enter the mileage on the last maintenance: **800000**

Enter the date of the last maintenance: **12/15/22**

Number of vehicles in fleet: 5

- 1 Add an Aircraft
- 2 Display the Fleet
- 3 Display Aircraft That Need Maintenance
- 4 Display Aircraft Next Maintenance Date/Miles
- 5 Record Miles Traveled
- 6 Record Maintenance
- 7 Retire Aircraft
- 8 Load from a file
- 9 Write to a file
- 10 Quit

Please enter your choice(1-11): 3

AC Name	RegNum	Manuf.	Last MDate	Last MMiles
B747-400	C99348092	Boeing	12/20/2022	674888
B737-200	A88478938	Boeing	02/27/2023	047389
A320-100	A87499587	Airbus	02/27/2023	177449
A330-200	A78987984	Airbus	03/26/2023	475880

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- 10 Quit

Please enter your choice(1-11): 4

AC Name	RegNum	Manuf.	Next MDate	Next MMiles
B747-400	C99348092	Boeing	03/20/2022	724888
B737-200	A88478938	Boeing	05/27/2023	097389
A320-100	A87499587	Airbus	05/27/2023	227449
A330-200	A78987984	Airbus	06/26/2023	525880

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- 10 Quit

Please enter your choice(1-11): 5

Enter the registration number: C98765432

How many miles were flown: 12542

Miles updated for:

C98765432

Boeing

747-400

New Miles: 832582

- 1 Add an Aircraft
- 2 Display the Fleet
- 3 Display Aircraft That Need Maintenance
- 4 Display Aircraft Next Maintenance Date/Miles
- 5 Record Miles Traveled
- 6 Record Maintenance
- 7 Retire Aircraft
- 8 Load from a file

- 9 Write to a file
- 10 Quit

Please enter your choice(1-11): 6

Enter the registration number: C98765432

Maintenance Miles updated for:

C98765432

Boeing

747-400

Next Maintenance Date: 07/22/23

Next Maintenance Miles: 882582

- 1 Add an Aircraft
- 2 Display the Fleet
- 3 Display Aircraft That Need Maintenance
- 4 Display Aircraft Next Maintenance Date/Miles
- 5 Record Miles Traveled
- 6 Record Maintenance
- 7 Retire Aircraft
- 8 Load from a file
- 9 Write to a file
- 10 Quit

Please enter your choice(1-11): 7

Enter the registration number: C98765432

This aircraft will be removed from the fleet. Are you sure? Yes

Aircraft C98765432 has been retired.

Number of aircraft in fleet: 4

- 1 Add an Aircraft
- 2 Display the Fleet
- 3 Display Aircraft That Need Maintenance
- 4 Display Aircraft Next Maintenance Date/Miles
- 5 Record Miles Traveled
- 6 Record Maintenance
- 7 Retire Aircraft
- 8 Load from a file
- 9 Write to a file
- 10 Quit

Please enter your choice(1-11): 9

Enter the name of the file to write to: newfleet.txt

4 aircraft written to newfleet.txt

- 1 Add an Aircraft
- 2 Display the Fleet
- 3 Display Aircraft That Need Maintenance
- 4 Display Aircraft Next Maintenance Date/Miles
- 5 Record Miles Traveled
- 6 Record Maintenance
- 7 Retire Aircraft
- 8 Load from a file
- 9 Write to a file
- 10 Quit

Please enter your choice(1-11): 10  
Program exiting!