

Unit 4 Assignment

Grading Information: This Program is **due** on **Date Specified**.

Comments are **REQUIRED**; flow charts and pseudocode are **NOT REQUIRED**.

Directions	Points
<p>The file must be called <LastInitialFirstInitialUnit4.java></p> <p><i>Proper coding conventions required the first letter of the class start with a capital letter and the first letter of each additional word start with a capital letter.</i></p> <p>Only submit the .java file needed to make the program run. Do not submit the .class file or any other file.</p>	5%
<p>Style Components</p> <p>Include properly formatted prologue, comments, indenting, and other style elements as shown in Chapter 2 starting page 64 and Appendix 5 page 881-892.</p>	5%
<p>Topics covered in chapter</p> <p>Topics with * are covered in this assignment. Ensure you use every item listed below in your completed assignment.</p> <p>*Conditions and Boolean Values *if Statements && Logical Operator Logical Operator *! Logical Operator *switch statement *while loop or *do loop for loop *Solving the Problem of Which Loop to Use Nested Loops boolean Variables Input Validation</p>	
<p>Basic Requirements</p> <p>Create a program that determines when you should head to the airport for an upcoming flight.</p>	
<p>LiFiUnit4.java - Main Method</p> <p>Program should get input for the following items: (see sample at bottom)</p> <ul style="list-style-type: none">Day of flight (Monday-Friday).	80%

- Current day.
- Hour of flight (Military Time) We are only going to calculate down to the hour.
- Current hour.

Other functionality should be included as follows:

- Use a do while or while loop, to continue to ask for the day until the day matches.
- Use an If statement and if the day doesn't match, output "Today isn't your flight, keep checking."
- Use a switch statement to output different things based on hours left till flight.
 - 17-23: "Are you seriously checking this early?"
 - 5-16: "Plenty of time, no need to rush."
 - 3-4: "Better be heading to the airport."
 - 2: "Hope you are at the airport."
 - 1: "You best be at the airport, security lines are long."
 - default: "Hopefully you made your flight."
- Output "Thanks for planning your trip with us.", when done.

Sample output is provided below. Be sure to mimic the layout exactly. Output will vary based on input.

10%

NOTE: Complete your activity and upload to assignment.

Total Percentage

100%

Sample

Your output will vary based on input. See samples below.

The below examples shows when the same day is entered with 7 hours to go before flight.

What is the day of your flight (Monday-Sunday): Thursday
What hour does your flight leave (Military Time): 16

What is the current Day (Monday-Sunday): Thursday
What is the current hour (Military Time): 9

You have 7 hours to go.
Plenty of time, no need to rush.

Thanks for planning your trip with us.

The example below shows when a different day is entered and the current time matches the flight time.

What is the day of your flight (Monday-Sunday): Thursday
What hour does your flight leave (Military Time): 16

What is the current Day (Monday-Sunday): Wednesday
Today isn't your day for a flight, keep checking

What is the current Day (Monday-Sunday): Thursday
What is the current hour (Military Time): 16

You have 0 hours to go.
Hopefully you made your flight.

Thanks for planning your trip with us.

Trip on same day with only 3 hours to go

What is the day of your flight (Monday-Sunday): Thursday
What hour does your flight leave (Military Time): 16

What is the current Day (Monday-Sunday): Thursday
What is the current hour (Military Time): 13

You have 3 hours to go.
Better be heading to the airport.

Thanks for planning your trip with us.

Trip on same day with only 2 hours to go

What is the day of your flight (Monday-Sunday): Thursday
What hour does your flight leave (Military Time): 16

What is the current Day (Monday-Sunday): Thursday
What is the current hour (Military Time): 14

You have 2 hours to go.
Hope you are at the airport.

Thanks for planning your trip with us.

Trip on same day with only 1 hour to go

What is the day of your flight (Monday-Sunday): Thursday
What hour does your flight leave (Military Time): 16

What is the current Day (Monday-Sunday): Thursday
What is the current hour (Military Time): 15

You have 1 hours to go.
You best be at the airport, security lines are long.

Thanks for planning your trip with us.