JAVA DELIVERABLE 1

VACATION DECISIONS

Congratulations! You've made it to the deliverables portion of Unit 1, a major component of understanding how to code is effectively using conditional statements. The following exercise asks you to demonstrate your knowledge of these critical items as well as good problem-solving.

Disclaimer**:** A large part of being a developer is researching and understanding new mechanics and concepts of coding. Every developer, even a seasoned veteran, needs to look up and research coding concepts. As such, for this exercise, you may need to do some research.

Here are a few hints:

- For any programming language, Google and Stack Overflow will be your go-to sites for learning about code.
- Google is good at answering common questions, Stack Overflow is good for troubleshooting and reading issues other programmers have encountered.

Put this project in its own repo on GitHub and submit the GitHub link in the Turn In Deliverable 1 spot in the LMS.

VACATION DECISIONS

Task: Write a program that will inform the user where they should go on vacation and how they should get there. Use the following table to drive the logic of your program:

Vacation Type	Destination
Musical	New Orleans
Tropical	Beach Vacation in Mexico
Adventurous	Whitewater Rafting the Grand Canyon
Group Size	**Travel Suggestion**
1-2	First Class
3-5	Helicopter
6+	Charter Flight

Build Specifications:

- Declare and initialize the following three variables.
  - **`vacationType`** will contain the vacation type choice entered by the user from the console.
  - **`groupSize`** will contain the party size entered by the user from the console.
  - **`result`** is a string that will be printed to the console.
- Use conditional statements to drive the decision making of your program.
- Initialize **result** as a single string using concatenation. This string will contain the vacation type, group size, and destination suggestions (see example below).
- Print the **`result`** variable to the console.

Example run (user input in bold):

```
What kind of trip would you like to go on, musical,
tropical, or adventurous? musical
How many are in your group? 4
```

```
Since you're a group of 4 going on a musical vacation, you
should take a helicopter to New Orleans.
```

Another example run:

```
What kind of trip would you like to go on, musical,
tropical, or adventurous? tropical
How many are in your group? 8
Since you're a group of 8 going on a tropical vacation, you
should take a charter flight to a beach vacation in Mexico
```

Grading Rubric: This is graded out of 10 points. You must score 8 or more points on each deliverable in Lab 1 to pass.

1 point each. No partial credit is allowed on an individual point. Credit will be granted for any points that are written correctly themselves, but don't run correctly because of a problem elsewhere in the program.

1. vacationType variable declared with a string type
2. groupSize variable declared with a whole number type
3. program gets user input correctly and places it into vacationType and groupSize
4. at least two correct comparisons are made with vacationType
5. correct relational operators are used for at least two groupSize comparisons
6. determines correct vacation destination (even if not outputted correctly)
7. determines correct travel method (allowed off-by-one errors, even if not outputted correctly)
8. result declared as String and contains correct sentence format with some variable values (even if the values in the sentence are incorrect, whitespace errors also allowed, intentional creativity allowed)
9. prints result variable to console
10. result sentence has all 4 correct values and no errors (no off-by-one or whitespace errors allowed, intentional creativity with the sentence is allowed)

Grading Scale:

8 or above Passing
Below 8: Not Passing