**Project Java-Aidan Van Gessel**

Question 1:

For question 1, I will need to create a program that asks for user input depending on where they want to sit in an airplane ride. There are 13 rows and 6 columns of certain seating of the airplane. To show the user this, I will need to print a 2D array showing at each spot if the seat is occupied or not. Since there are tickets restrictions for each seat I will need to check if the user enters the correct information, if not ask them again for a valid input. This can be done using a validation while loop. Once the user enters the correct information and selects their seat, I will need to update the 2d array to display to the user that there seat has been assigned.

Algorithm:

Display 2d array of airplane seats and class seating arrangement.

Ask user to reserve a seat, if no terminate program, If yes move on to next questions

Ask user for ticket type, if ticket type input is invalid, ask again until correct

Ask user for row number, if row input is out of range, ask again until correct

Ask user for seat letter, if seat letter is out of range, ask again until correct

By getting the row number and seat letter we can go to the specific spot in the 2d array and modify the symbol to X.

Display 2d array seating, with correct marking of seat selected by user.

Loop again.