**Objective definition :**

1. Create constants for the number of numbers in a ticket and the max/min allowed numbers on the ticket.
2. In the main, write a for loop that asks the user for their 7 lottery numbers, storing each number in a list along the way.
3. Write an in\_range(number) function that returns true if the number is a valid lottery number and false otherwise. Use this function in an input validation loop for the numbers entered by the user
4. Write a generate\_winning\_ticket() function that generates and returns a list of 7 random numbers between 1 and 100. This will simulate a winning ticket.
5. Write a won\_the\_lottery(player\_ticket) that calls generate\_winning\_ticket() and determines lottery winning.
6. Call won\_the\_lottery after the player\_ticket list has been created in the main. Print out a message indicating if the user won or not.

**Test Cases :**

1. Winning\_ticket
2. Player\_ticket
3. Number
4. winning \_num

**Followup Questions :**

1. How long did you spend on the project? almost 3 hours

2. Did you complete the extension? If not, why not? yes

3. How did you like getting objectives for a project? Explain in detail. It was easier to follow what to do next.

4. Was there any part of the assignment that you got stuck on? Explain. In the sorting part.