Test Cases
Summer School Assignment

Question 1:

Test Case 1:
n = 5
y_hat = np.array([0.32, 0.56, 0.71, 0.14, 0.57])
y = np.array([1, 0, 1, 1, 0])
O = 1.47529

Test Case 2:
n = 4
y_hat = np.array([0.23, 0.54, 0.61, 0.89])
y = np.array([0, 0, 1, 1])
O = 0.59465

Test Case 3:
n = 7
y_hat = np.array([0.45, 0.10, 0.99, 0.32, 0.78, 0.81, 0.27])
y = np.array([1, 0, 1, 1, 1, 0, 0])
O = 0.88153

Question 2:

Test Case 1:
Input: numbers= [10,20,10,40,50,60,70]
Target=50
Output: {1: [0, 3], 2: [2, 3], 3: [3, 0], 4: [3, 2]}

Test Case 2:
Input: numbers= [14, 15, 25, 36, 17, 18, 22, 21]
Target=39
Output: {1: [0, 2], 2: [2, 0], 3: [4, 6], 4: [5, 7], 5: [6, 4], 6: [7, 5]}

Test Case 3:
Input: numbers= [4, 10, 6, 14, 18, 19, 20]
Target=20
Output: {1: [1, 1], 2: [2, 3], 3: [3, 2]}

Many students requested for test cases for the questions in the assignment.