#Question1

arr = [2, 4, 5, 1, 7, 8]  
arr.reverse()  
print(arr)

#Question 2  
import numpy as np  
  
mat1 = np.array([[1,2],[2,3]])  
mat2 = np.array([[5,2],[8,3]])  
print(mat1+mat2)  
print(mat1-mat2)  
  
  
#Question3  
matrix =[[1,2,3],[3,4,5],[5,6,7]]  
trace=0  
for i in range(len(matrix)):  
 trace+=matrix[i][i]  
  
print("Trace of the matrix:", trace)

#Question5  
arr = [10, 25, 25, 65, 101]  
arr.sort()  
print(f"Largest number in array is: {arr[-1]}")  
print(f"Second largest number in array is: {arr[-2]}")