1. Given an integer array, transform that array into a mirror.

Examples :-

mirror([0, 2, 4, 6]) → [0, 2, 4, 6, 4, 2, 0]

mirror([1, 2, 3, 4, 5]) → [1, 2, 3, 4, 5, 4, 3, 2, 1]

mirror([3, 5, 6, 7, 8]) → [3, 5, 6, 7, 8, 7, 6, 5, 3]

2. Create a function that takes an array of strings and a boolean value and returns a sorted array. The array should be sorted from shortest length to longest length if the boolean value given is True. If the boolean value is False, the array should be sorted from Longest to Shortest. (score 3)

Examples:-

sortarray(["Apple","Watermelon","Banana"],True) → ["Apple","Banana","Watermelon"]

sortarray(["Turing", "Einstein", "Jung"], False) → ["Einstein","Turing","Jung"]

sortarray(["Dell","Microsoft","Nvidia"], False) → ["Microsoft", "Nvidia", "Dell"]

3. Create a function which takes in a number n as input and returns all numbers up to and including n joined together in a string. Separate each digit from each other with the character "-". (score 3).

Examples :- joinDigits(4) → "1-2-3-4"

joinDigits(11) → "1-2-3-4-5-6-7-8-9-1-0-1-1"

joinDigits(15) → "1-2-3-4-5-6-7-8-9-1-0-1-1-1-2-1-3-1-4-1-5"

4. Additional spaces have been added to a sentence. Return the correct sentence by removing them. All words should be separated by one space, and there should be no spaces at the beginning or end of the sentence. (score 2).

Examples :-   correctSpacing("The film   starts   at   midnight. ")
                    → "The film starts at midnight."

                    correctSpacing("The   waves were crashing on the   shore. ")
                    → "The waves were crashing on the shore."

                    correctSpacing(" Always look on   the bright   side of life.")
                    → "Always look on the bright side of life."