```
1./* Write a program to reverse an array of integers in place.
input: arr = [1, 2, 3, 4, 5]

output: [5, 4, 3, 2, 1]

Hint for Students :
Use two pointers (start, end) and swap until they meet.
*/


2./*Given an array, find the maximum and minimum elements.

input:
arr = [10, 5, 20, 8, 2]

output:
Min: 2
Max: 20

Hint for Students
Iterate once → keep track of current min and max.

*/


3./*Check if a given string is a palindrome (reads same forward and backward).

input: str = "madam"

output: Palindrome

Hint for Students
Compare characters from both ends.

*/


4./*Search for an element x in an array using linear search.

input: arr = [4, 2, 9, 1, 7], x = 9

output: Element found at index 2

Hint for Students
Loop through array and check if any element equals x.
*/
```