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**PROBLEM STATEMENT 13:**

Write a BASH shell script to sequentially search for an element inside an array.

**OBJECTIVE:**

To sequentially search for an element inside an array.

**SHELL SCRIPT:**

echo "Shell script to sequentially search for an elements inside an array."

echo "Enter length of array:"

read n

echo "Enter elements of the array:"

for ((i=0;i<n;i++)); do

read arr[$i]

done

echo "Enter the element to search for:"

read ele

let not\_found=1

for((i=0;i<n;i++)); do

if [[ $ele -eq ${arr[$i]} ]]; then

echo "The element \"$ele\" found at index position $i of the array."

not\_found=0

fi

done

if [[ $not\_found -eq 1 ]]; then

echo "Element \"$ele\" not found in the array."

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**Output:**

