AYUSH RAWAT MCA (1st Sem) B STD-ID 22391138

**PROBLEM STATEMENT 14:**

Write a BASH script to sort an array (whose elements are numbers).

**OBJECTIVE:**

To sort an array (whose elements are numbers).

**SHELL SCRIPT:**

echo "Shell Script to sort an array (whose elements are numbers)"

echo "Enter length of array to sort:"

read n

echo "Enter elements of the array:"

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

read arr[$i]

done

for((i=0;i<n-1;i++)); do

small=${arr[$i]}

index=$i

for((j=i+1;j<n;j++)); do

if [[ ${arr[$j]} -lt small ]]; then

small=${arr[$j]}

index=$j

fi

done

temp=${arr[$i]}

arr[$i]=$small

arr[$index]=$temp

done

echo "Sorted array is:"

echo ${arr[\*]}

**Output:**

