

```
# Shell Program to Sort an Array

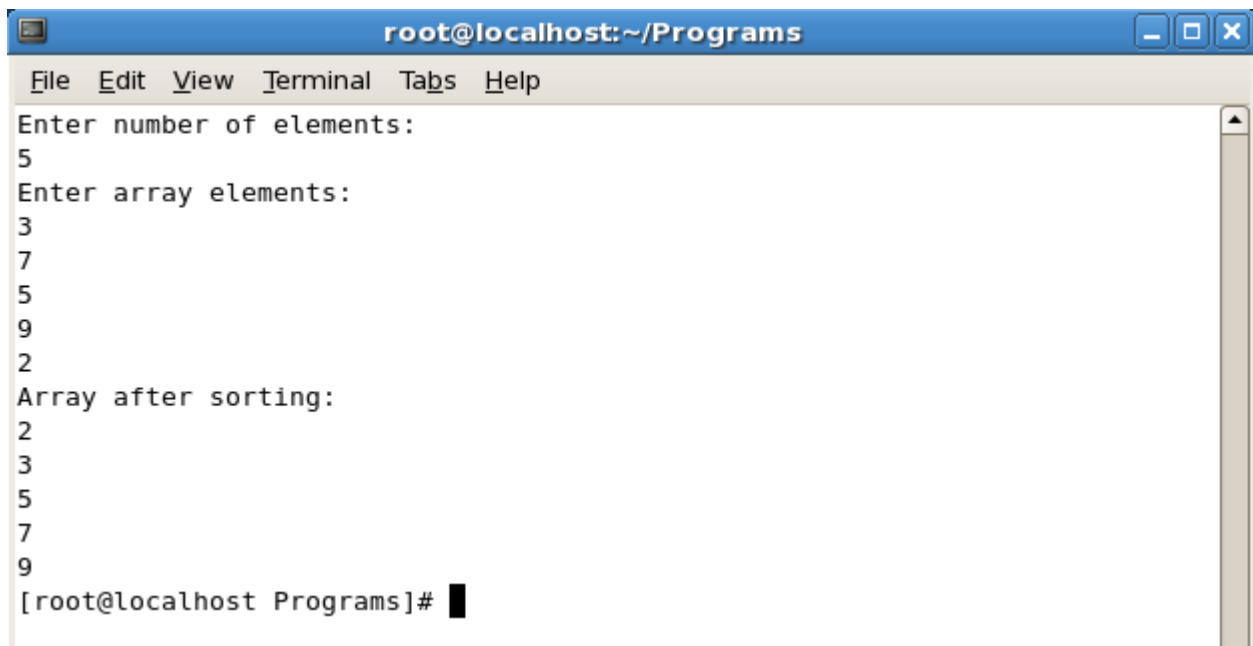
clear

echo "Enter number of elements: "
read n

echo "Enter array elements: "
for ((i=0; i<n; i++))
do
    read a[$i]
done

for ((i=0; i<n; i++))
do
    for ((j=$i; j<n; j++))
    do
        if [ ${a[$i]} -gt ${a[$j]} ]
        then
            temp=${a[$i]}
            a[$i]=${a[$j]}
            a[$j]=$temp
        fi
    done
done

echo "Array after sorting: "
for ((i=0; i<n; i++))
do
    echo ${a[$i]}
done
```

Output:A terminal window titled "root@localhost:~/Programs" with a menu bar (File, Edit, View, Terminal, Tabs, Help). The output shows a program that asks for the number of elements (5), then for array elements (3, 7, 5, 9, 2), and finally displays the sorted array (2, 3, 5, 7, 9).

```
root@localhost:~/Programs
File Edit View Terminal Tabs Help
Enter number of elements:
5
Enter array elements:
3
7
5
9
2
Array after sorting:
2
3
5
7
9
[root@localhost Programs]#
```

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