

## ASSIGNMENT - 4

**Assignment 4:** Find the Smallest Number from the Array

**Script:**

```
#!/bin/bash

numbers=(23 9 4 15 6 32)

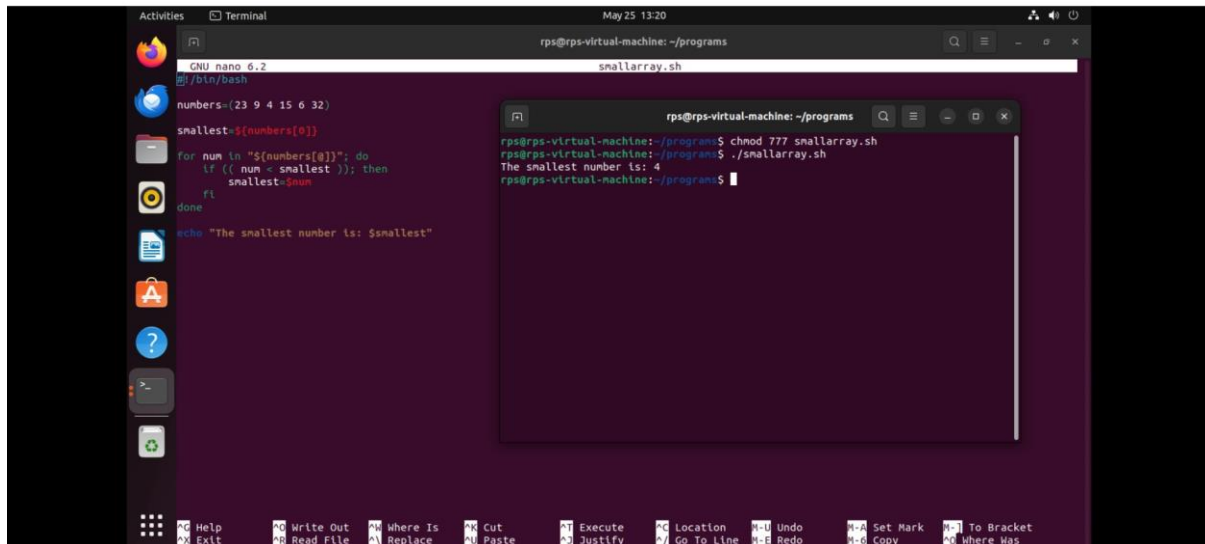
smallest=${numbers[0]}

for num in "${numbers[@]"; do
    if (( num < smallest )); then
        smallest=$num
    fi
done

echo "The smallest number is: $smallest"
```

**Sample output:**

The smallest number is: 4



The screenshot shows a terminal window with a dark background. The prompt is `rps@rps-virtual-machine: ~/programs`. The script `smallarray.sh` is being edited in `nano`. The script content is: `#!/bin/bash`, `numbers=(23 9 4 15 6 32)`, `smallest=${numbers[0]}`, `for num in "${numbers[@]"; do`, `if (( num < smallest )); then`, `smallest=$num`, `fi`, `done`, and `echo "The smallest number is: $smallest"`. A second terminal window is open in the foreground, showing the command `chmod 777 smallarray.sh` and the execution `./smallarray.sh`, which outputs `The smallest number is: 4`. The bottom of the screen shows a menu bar with options like Help, Exit, Write Out, Read File, Where Is, Replace, Cut, Paste, Execute, Justify, Location, Go To Line, Undo, Redo, Set Mark, Copy, To Bracket, and Where Was.