

find the smallest number from the array.

The screenshot shows a web browser window with the address bar displaying `cloud2.rpsconsulting.in/console/#/client/MjY2NTkAYwBteXNxbA==`. The browser tabs include "EP.Net Cloud Lab Credenatials" and "Ami-24NAG1055-U36". Below the browser, a terminal window is open, showing a shell script named `smallnum.ch` being edited in nano. The script defines an array `numbers=(12 12 45 31 11 3 87)` and iterates through it to find the smallest number. The output of the script is `the smallest number in array :3`. The terminal window also shows a prompt `rps@rps-virtual-machine: ~/programs` and a status bar at the bottom with various keyboard shortcuts like `^G Help`, `^X Exit`, `^O Write Out`, `^R Read File`, `^W Where Is`, `^M Cut`, `^U Paste`, `^T Execute`, and `^J Justify`.

```
GNU nano 6.2 smallnum.ch
#!/bin/bash

numbers=(12 12 45 31 11 3 87)
number=${numbers[0]}
for num in "${numbers[@]}"
do
    if ((num < number))
    then
        number=$num
    fi
done
echo "the smallest number in array :$number"
```

```
rps@rps-virtual-machine: ~/programs
rps@rps-virtual-machine:~/programs$ ./smallnum.ch
the smallest number in array :3
rps@rps-virtual-machine:~/programs$
```