Change variables in bash

Asked 10 years, 10 months ago Modified 7 years, 4 months ago Viewed 130k times



How do I change this var?

max=0;

29



M

```
min=200000000;
cat |while read
do
    read a
    if [[ $a -gt $max ]]
    then
        max=a`
    fi
    `if [[ $a -lt $min ]]
    then
        min=a
    fi
done
echo $max
```

My min and max are still the same, 0 and 2000000. Can anybody help me with this ? I have no idea.

bash

echo \$min

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asked May 1, 2012 at 18:45



For those of us who missed your previous question, can you provide more information for this one. What var are you trying to change? – Andrew Brock May 1, 2012 at 18:48

3 also max=a should be max=\$a , same with min=a should be min=\$a - Andrew Brock May 1, 2012 at 18:49

What should be min if every values are greater than 20000000 ? I guess that min and max should be your first value... – Luc M May 1, 2012 at 20:25

Possible duplicate of <u>A variable modified inside a while loop is not remembered</u> – melpomene Jan 18, 2018 at 2:33

1 Answer

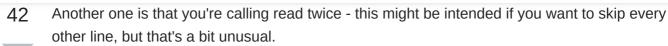
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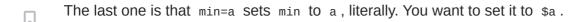
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Using <u>process substitution</u> to get rid of the first problem, removing the (possibly) un-necessary second read, and fixing the assignments, your code should look like:

```
max=0
min=200000000
while read a
do
    if [[ $a -gt $max ]]
    then
        max=$a
    fi
    if [[ $a -lt $min ]]
    then
        min=$a
    fi
done < <(cat) # careful with the syntax
echo $max
echo $min</pre>
```

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edited Sep 30, 2015 at 12:55



Tomáš Zato

48.5k 52 258 755

answered May 1, 2012 at 18:56



Mat

200k 40 389 404

ahhhh Thank's now i understand this. Thank's:) - pkruk May 1, 2012 at 20:01

- 2 4th problem: unmotivated backticks in the middle of the script, not explainable by beginner mistake. :)
 − user unknown May 1, 2012 at 20:21 ✓
- @userunknown: I assumed those were the result of a fight with the markdown editor, not present in the code:) Mat May 1, 2012 at 20:27

In Bash (and Ksh and Zsh), I recommend this form: if ((a > max)) . Also, if cat is not a placeholder for something else, then the whole redirection and process substitution can be eliminated since the script will read from stdin by default anyway. — Dennis Williamson May 1, 2012 at 21:28

1 is there a better answer for this now? – Hossein Kalbasi Dec 7, 2019 at 5:05

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