

# Check if variable is Set

Last updated by | Shakibe Hasan | Jun 12, 2023 at 5:21 PM GMT+6

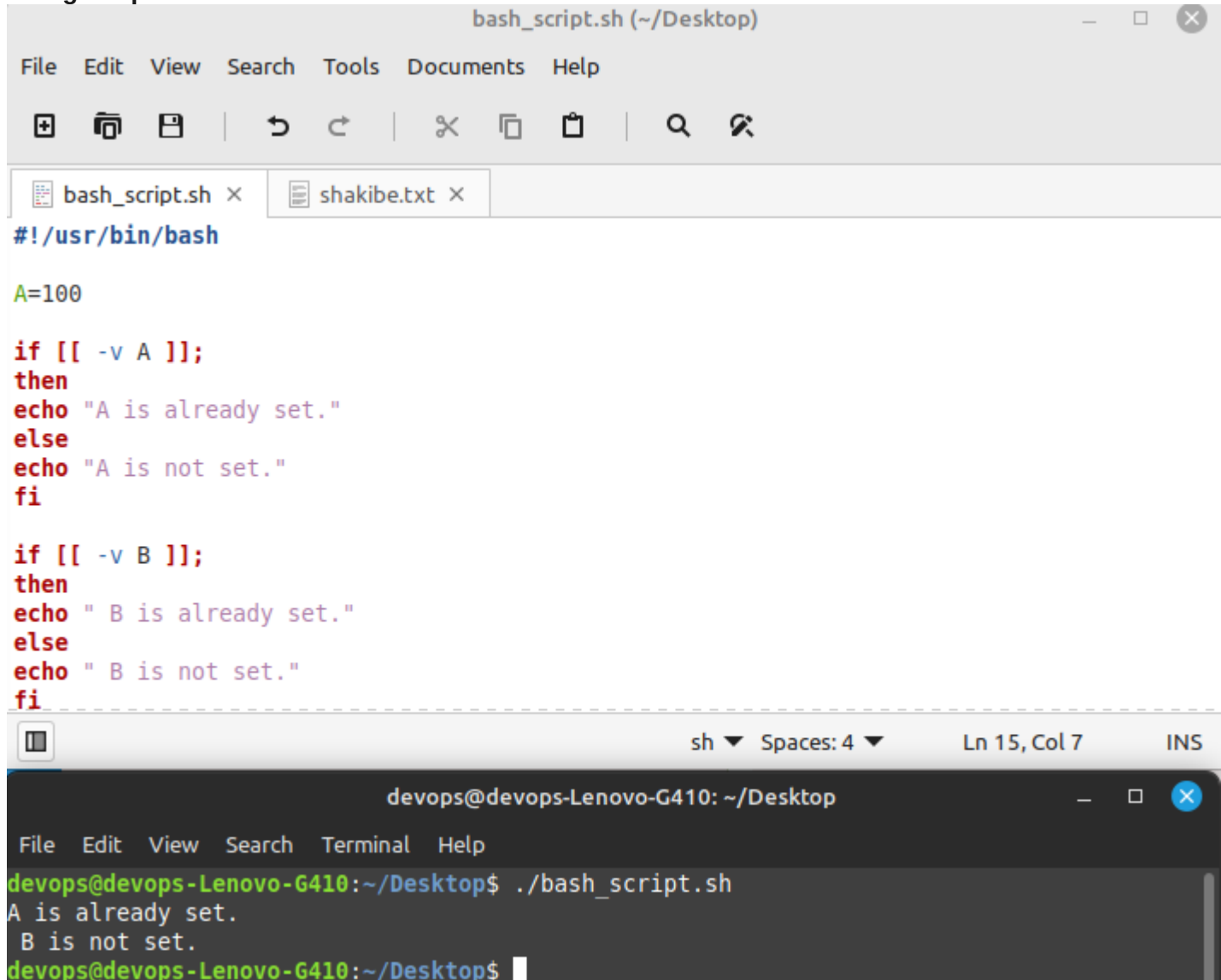
It is important to make sure whether a variable is set properly or not while creating any bash script.

## Syntax

```
[[ -v Variable_Name ]]
```

```
[[ -z Variable_Name ]]
```

## Using -v option:



The screenshot shows a code editor window titled 'bash\_script.sh (~/Desktop)' with a menu bar (File, Edit, View, Search, Tools, Documents, Help) and a toolbar. The script content is as follows:

```
#!/usr/bin/bash

A=100

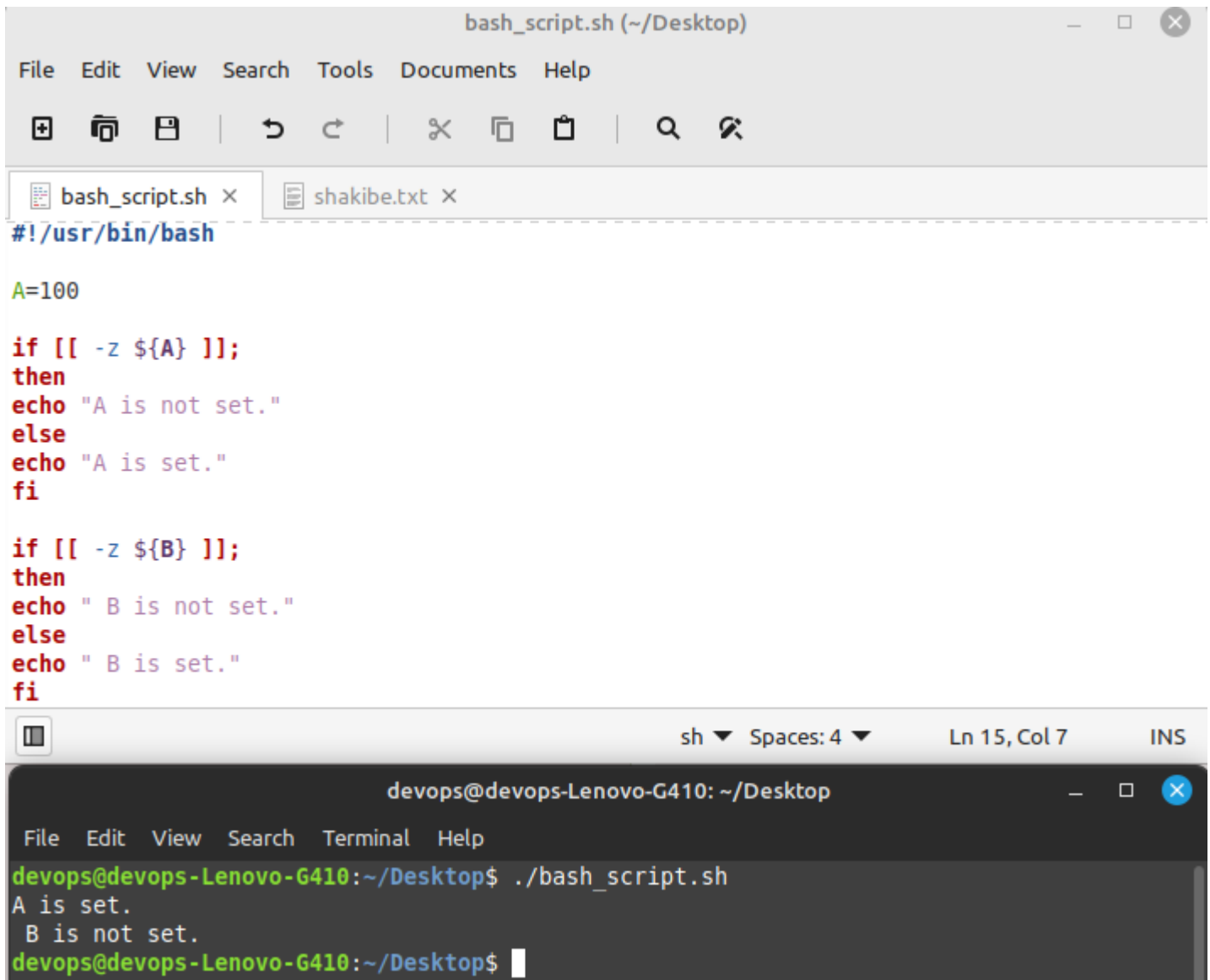
if [[ -v A ]];
then
echo "A is already set."
else
echo "A is not set."
fi

if [[ -v B ]];
then
echo " B is already set."
else
echo " B is not set."
fi
```

Below the code editor is a terminal window titled 'devops@devops-Lenovo-G410: ~/Desktop'. It shows the execution of the script:

```
devops@devops-Lenovo-G410:~/Desktop$ ./bash_script.sh
A is already set.
B is not set.
devops@devops-Lenovo-G410:~/Desktop$
```

## Using -z option:



The image shows a code editor window titled "bash\_script.sh (~/Desktop)" with a menu bar (File, Edit, View, Search, Tools, Documents, Help) and a toolbar. It contains two tabs: "bash\_script.sh" and "shakibe.txt". The script content is as follows:

```
#!/usr/bin/bash

A=100

if [[ -z ${A} ]];
then
echo "A is not set."
else
echo "A is set."
fi

if [[ -z ${B} ]];
then
echo " B is not set."
else
echo " B is set."
fi
```

Below the code editor is a terminal window titled "devops@devops-Lenovo-G410: ~/Desktop" with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the execution of the script:

```
devops@devops-Lenovo-G410:~/Desktop$ ./bash_script.sh
A is set.
 B is not set.
devops@devops-Lenovo-G410:~/Desktop$
```

Ref: [javatpoint.com](https://javatpoint.com)