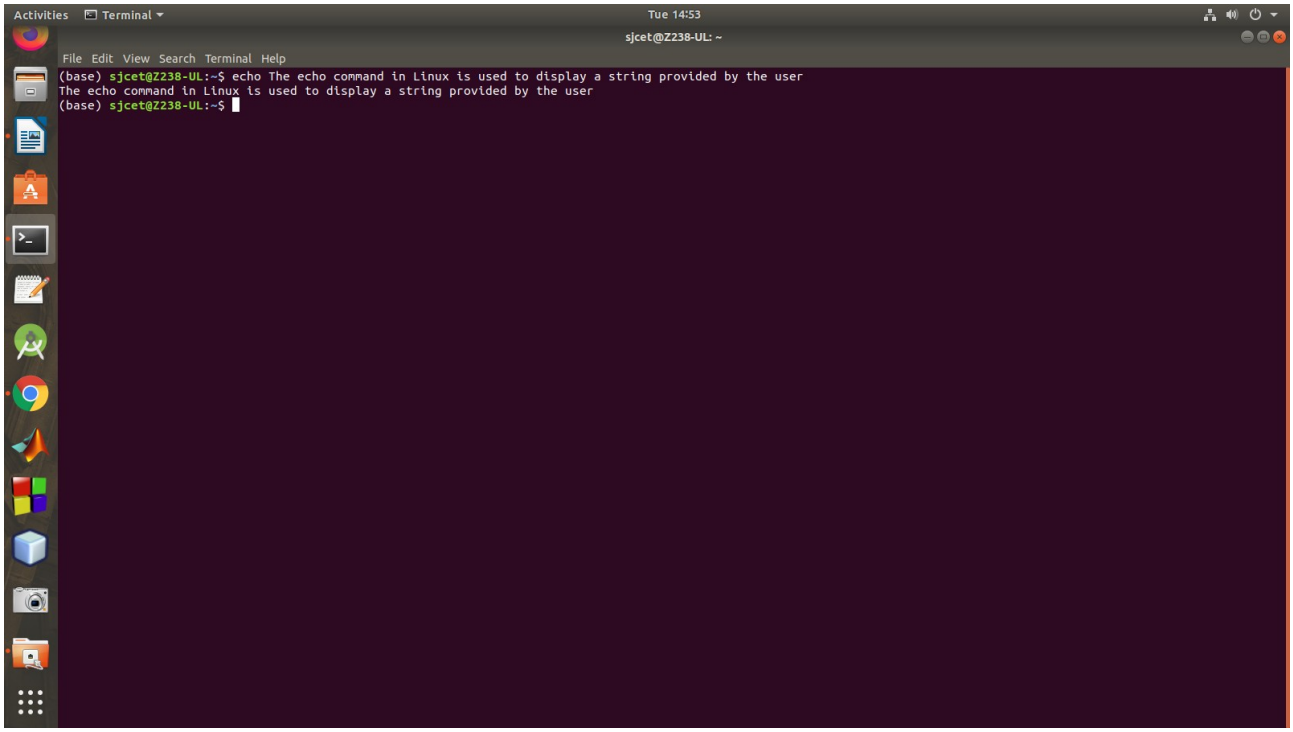
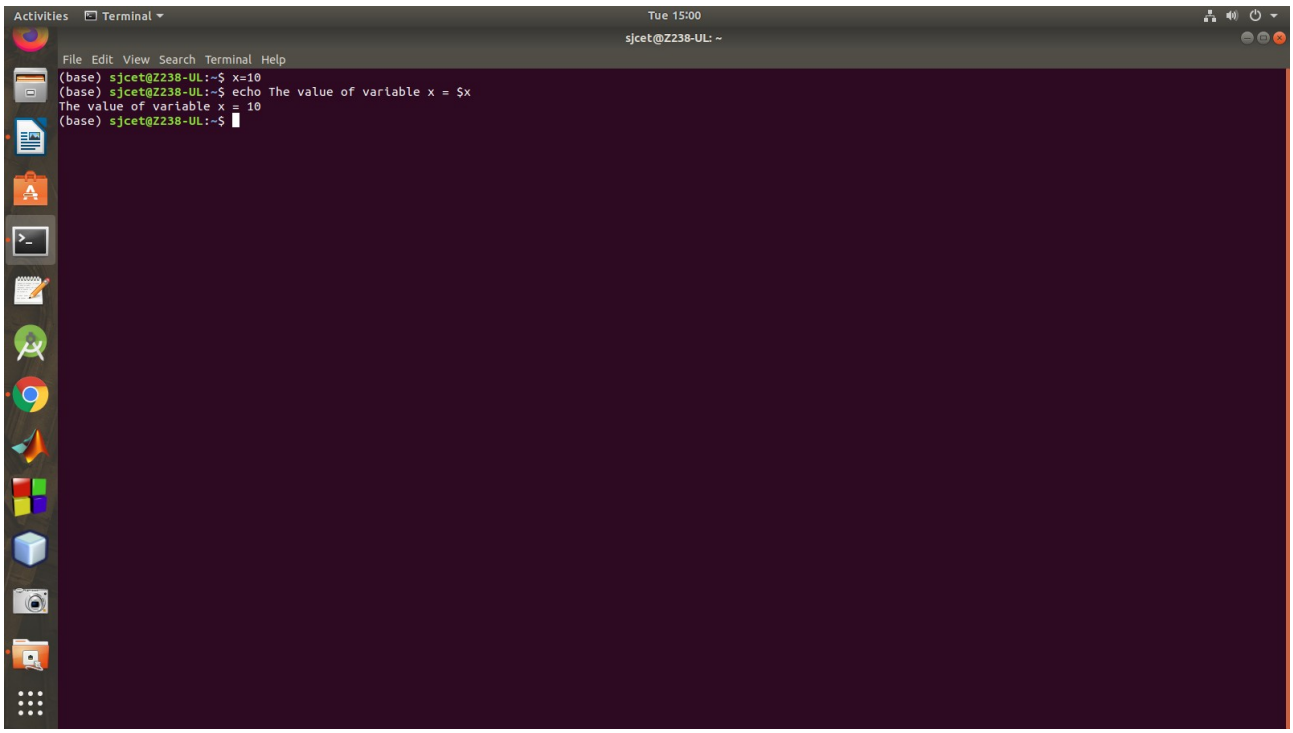
‘echo’ command in Linux

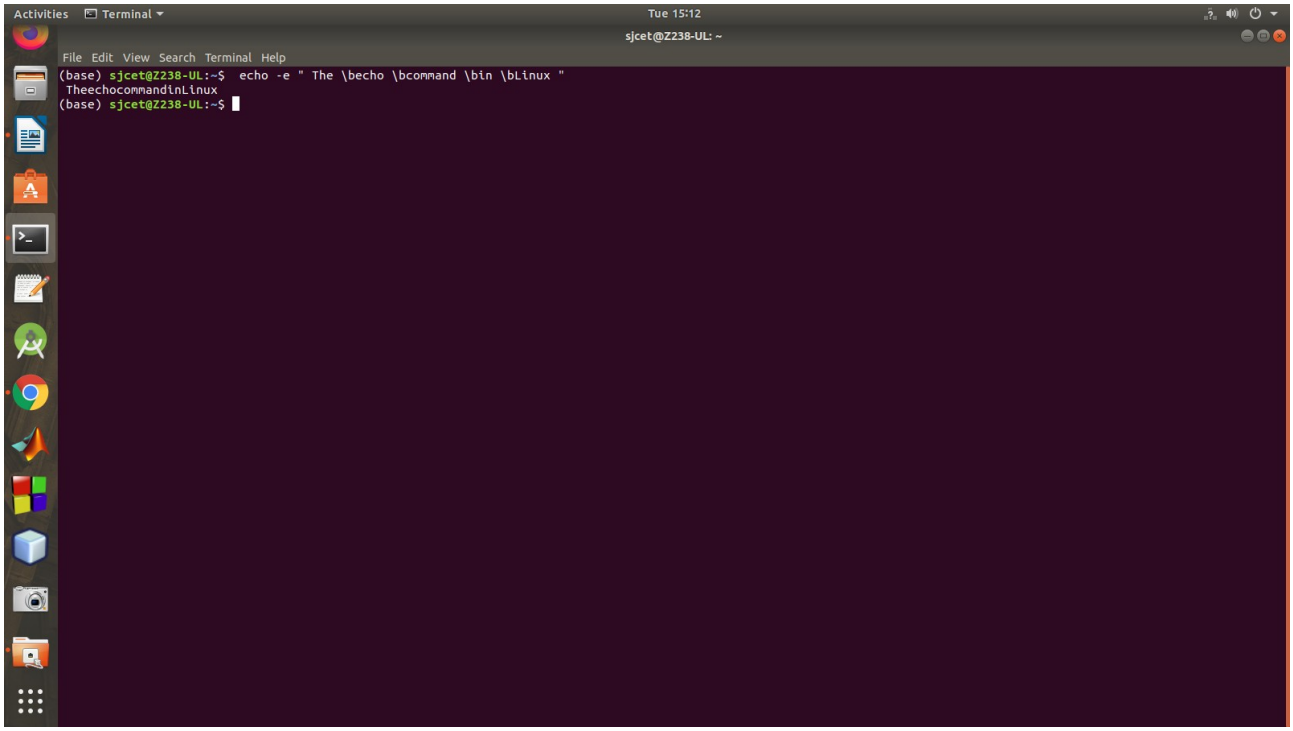
1. Input a line of text and display it on standard output



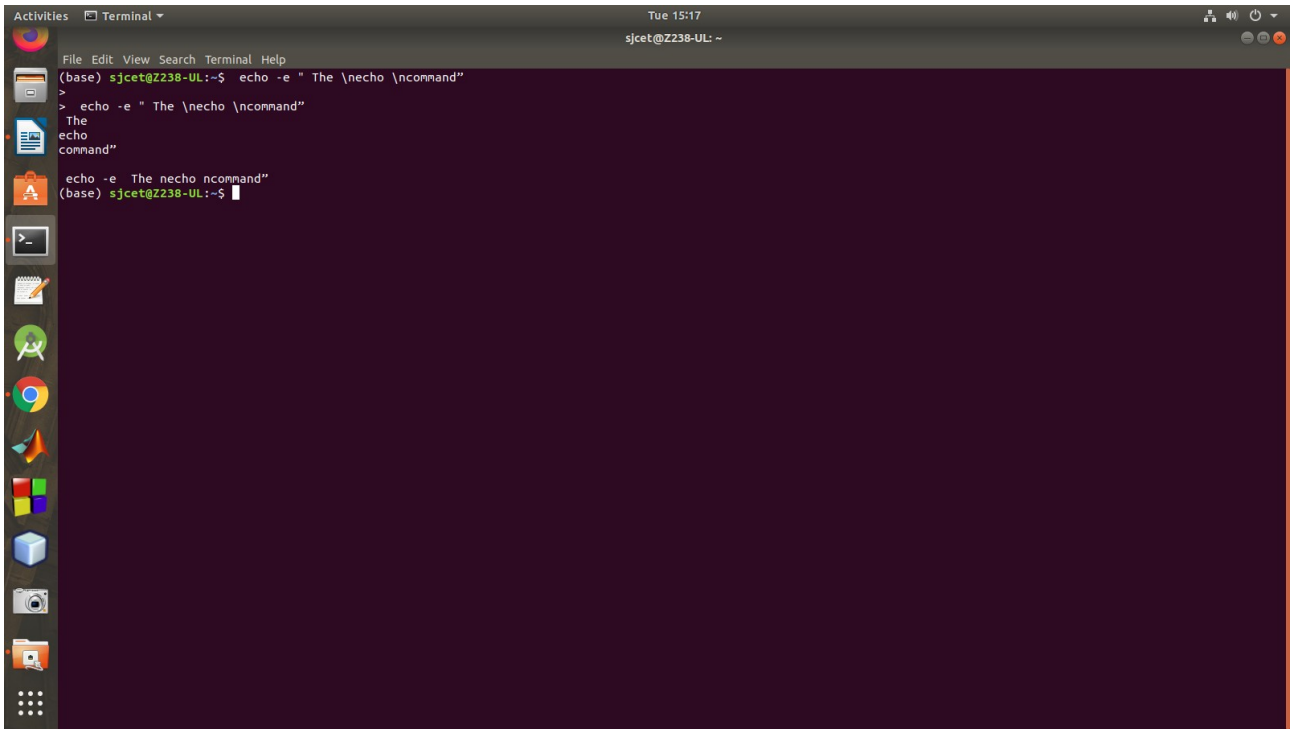
2. Declare a variable and echo its value. For example, Declare a variable of x and assign its value=10.



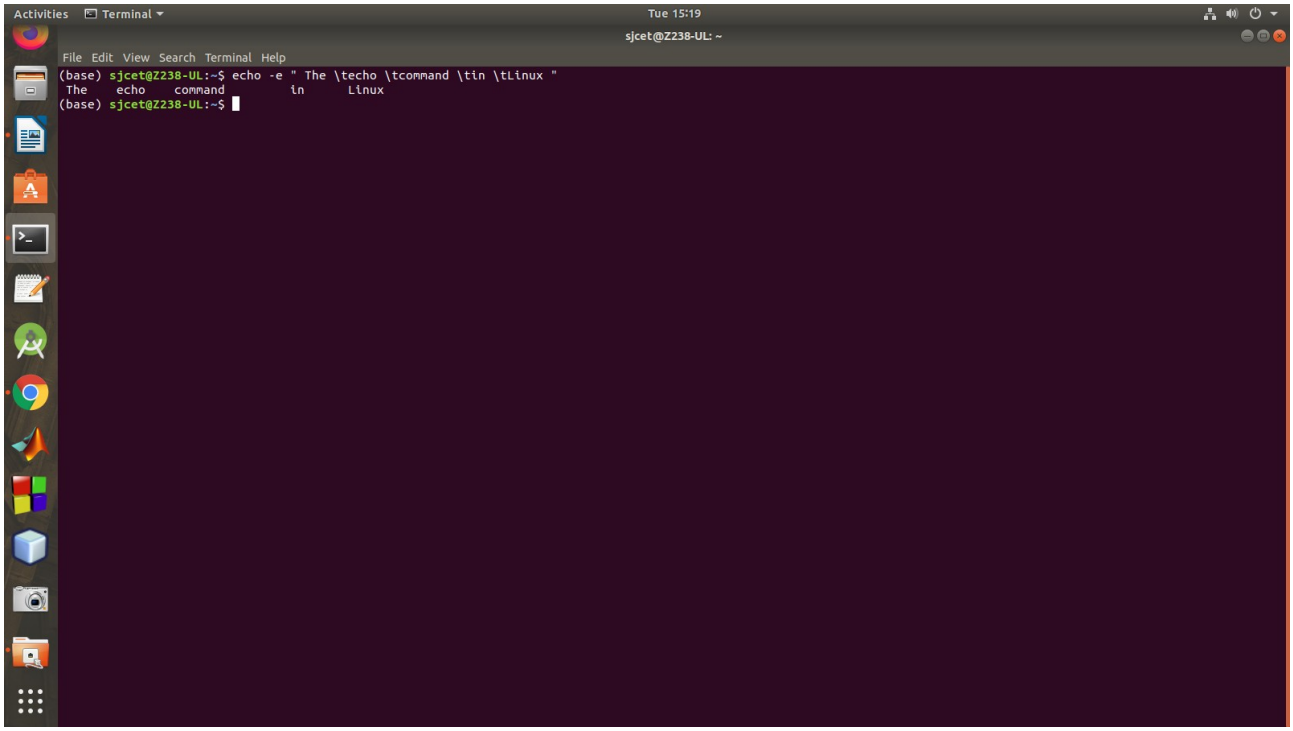
3. Using option ‘\b‘ – backspace with backslash interpretor ‘-e‘ which removes all the spaces in between.



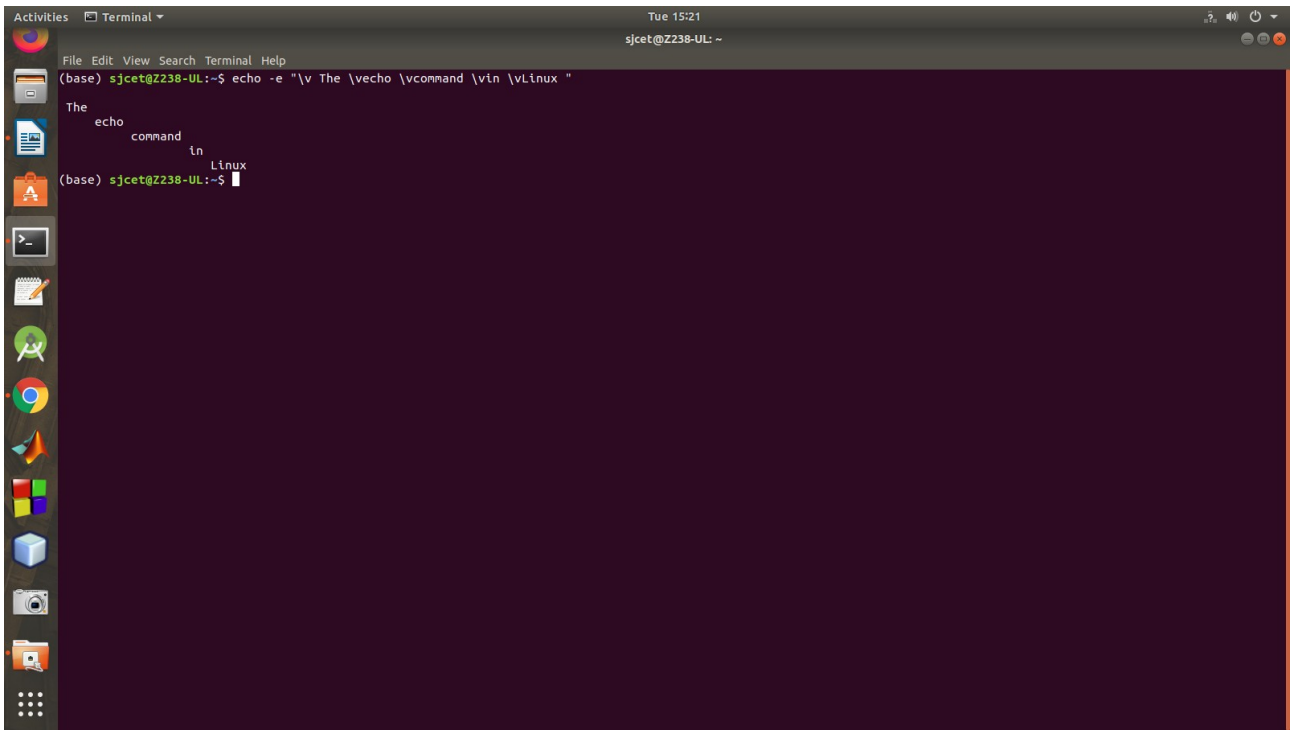
4. Using option ‘\n‘ – New line with backspace interpretor ‘-e‘ treats new line from where it is used.



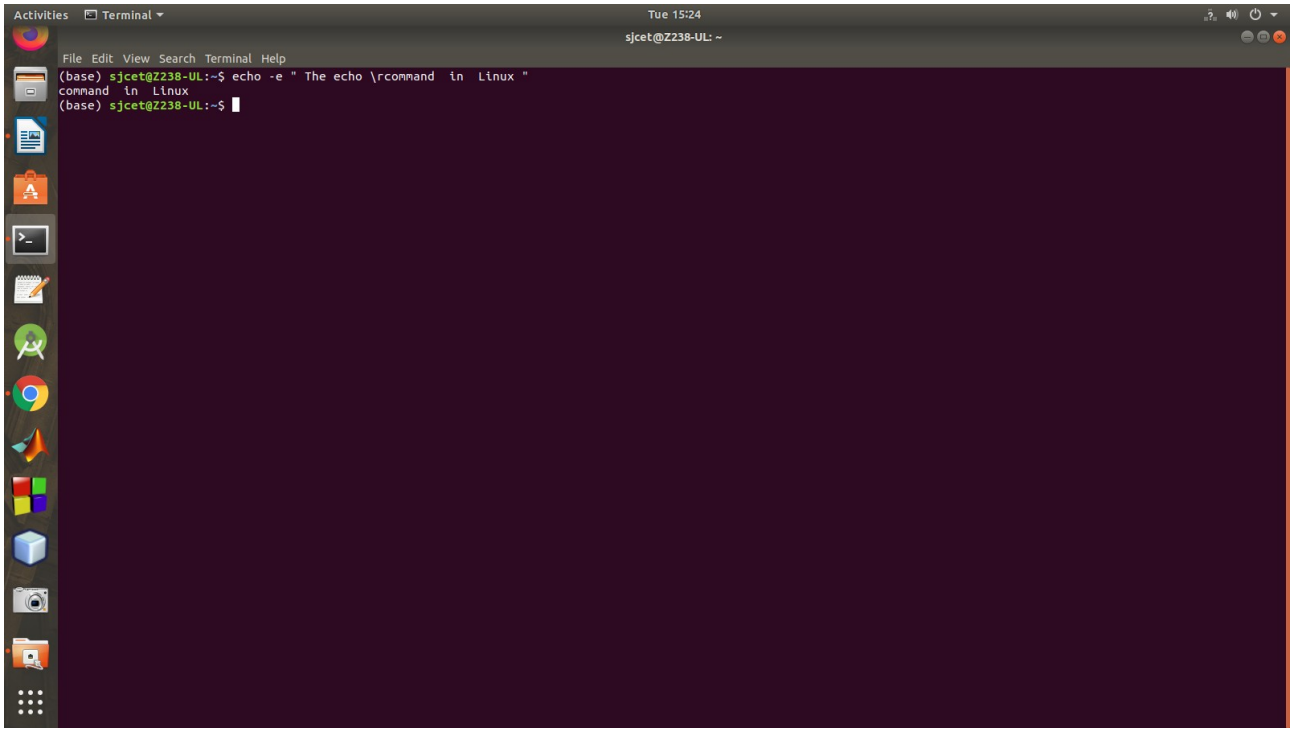
5. Using option ‘\t‘ – horizontal tab with backspace interpretor ‘-e‘ to have horizontal tab spaces.



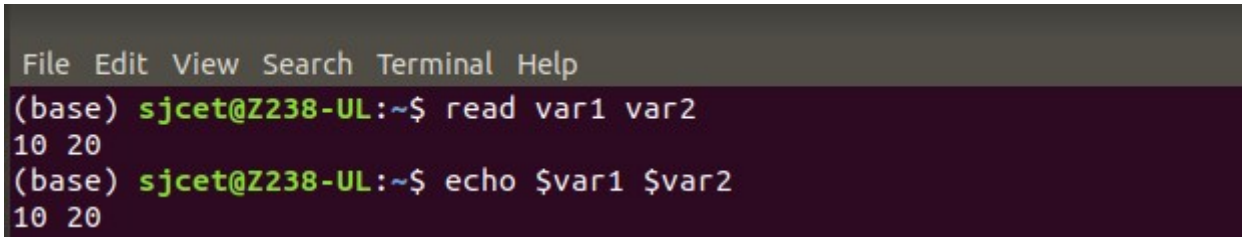
6.Using option ‘\v‘ – vertical tab with backspace interpretor ‘-e‘ to have vertical tab spaces.

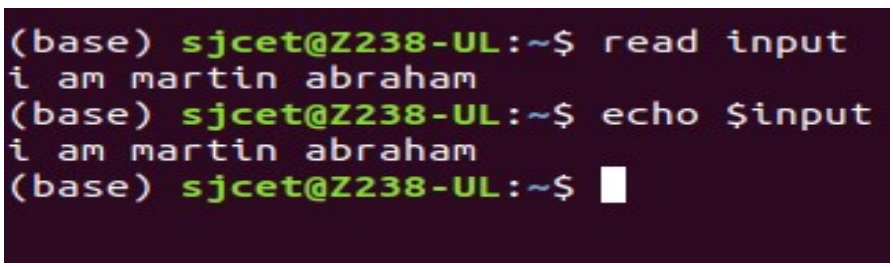


7.Using option ‘\r‘ – carriage return with backspace interpretor ‘-e‘ to have specified carriage return in output.



READ





```
(base) sjcet@Z238-UL:~$ read var1 var2
33 56
(base) sjcet@Z238-UL:~$ echo $var1
33
(base) sjcet@Z238-UL:~$ echo $var2
56
(base) sjcet@Z238-UL:~$
```

Piping

```
(base) sjcet@Z238-UL:~$ echo "the legend" | (read var1 var2; echo $var1; echo $var2)
the
legend
(base) sjcet@Z238-UL:~$
```

```
(base) sjcet@Z238-UL:~$ echo "rocky legend" | (read; echo "$REPLY")
rocky legend
(base) sjcet@Z238-UL:~$
```

```
(base) sjcet@Z238-UL:~$ echo "Linux is awesome." | (read var1 var2; echo -e "Var1: $var1 \nVar2: $var2")
Var1: Linux
Var2: is awesome.
(base) sjcet@Z238-UL:~$
```

Changing the Delimiter

```
(base) sjcet@Z238-UL:~$ echo "Linux:is:awesome." | (IFS=":" read -r var1 var2 var3; echo -e "$var1 \n$var2 \n$var3")
Linux
is
awesome.
(base) sjcet@Z238-UL:~$
```

```
(base) sjcet@Z238-UL:~$ echo "Linux::is:awesome." | \
>   (IFS=":" read -r var1 var2 var3 var4; echo -e "Var1: $var1 \nVar2: $var2 \nVar3: $var3 \nVar4: $var4")
Var1: Linux
Var2:
Var3: is
Var4: awesome.
(base) sjcet@Z238-UL:~$
```

```
(base) sjcet@Z238-UL:~$ echo 'Linux_is-awesome.' | (IFS="-_" read -r var1 var2 var3; echo -e "$var1 \n$var2 \n$var3")
Linux
is
awesome.
(base) sjcet@Z238-UL:~$
```

Prompt String

```
(base) sjcet@Z238-UL:~$ while true; do
>     read -r -p "Do you wish to reboot the system? (Y/N): " answer
>     case $answer in
>         [Yy]* ) reboot; break;;
>         [Nn]* ) exit;;
>         * ) echo "Please answer Y or N.";;
>     esac
> done
Do you wish to reboot the system? (Y/N):
```

```
Enter your password: (base) sjcet@Z238-UL:~$
(base) sjcet@Z238-UL:~$ read -r -s -p "Enter your password: "
Enter your password:
```

Assign the Words to Array

```
(base) sjcet@Z238-UL:~$ read -r -a MY_ARR <<< "Linux is awesome."
(base) sjcet@Z238-UL:~$
(base) sjcet@Z238-UL:~$ for i in "${MY_ARR[@]}"; do
>   echo "$i"
> done
Linux
is
awesome.
(base) sjcet@Z238-UL:~$
```