



Bansilal Ramnath Agarwal Charitable Trust's
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Subject Name & Code: Cloud Computing and Analysis - ADUA31203

Title of Assignment: Write Shell script program for handle the variable and how to take input from user

Aim:

Write Shell script program for handle the variable and how to take input from user

Problem Statement:

Write Shell script program for handle the variable and how to take input from user

Background Information:

- **Shell Scripting**

Usually, shells are interactive, which means they accept commands as input from users and execute them. However, sometimes we want to execute a bunch of commands routinely, so we have to type in all commands each time in the terminal.

As a shell can also take commands as input from file, we can write these commands in a file and can execute them in shell to avoid this repetitive work.

These files are called Shell Scripts or Shell Programs.

- **A shell script contains the following elements:**

1. Shell Keywords – if, else, break etc.
2. Shell commands – cd, ls, echo, pwd, touch etc.
3. Functions
4. Control flow – if..then..else, case and shell loops etc.

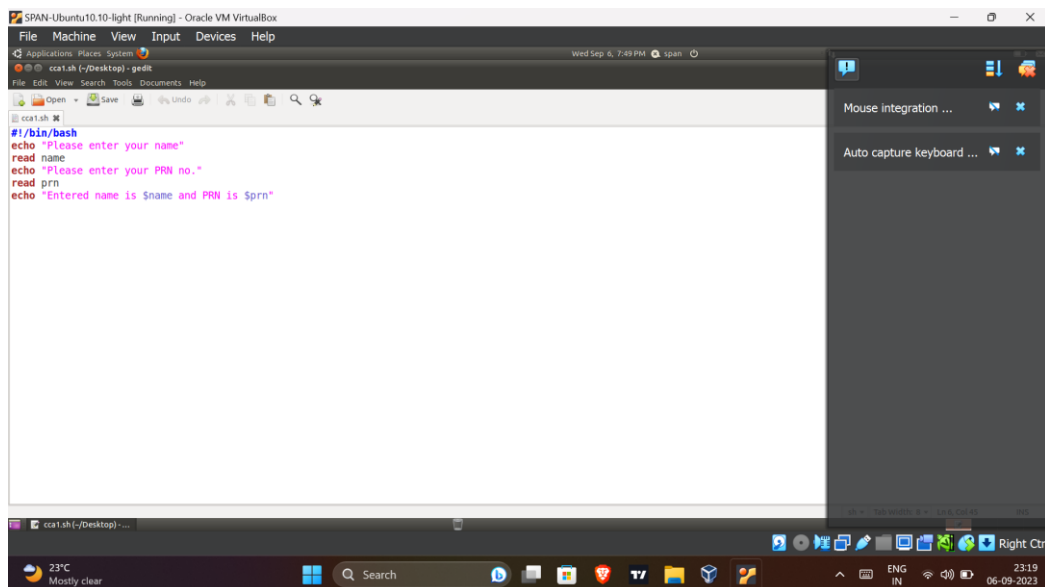
- **Read command**

The Linux read command is used to read the contents of a line into a variable. This is a built-in command for Linux systems. Therefore, we do not need to install any additional tools. It is an easy tool to take user input when creating a bash script.

Syntax:

`read <variable_name>`

- **Code**

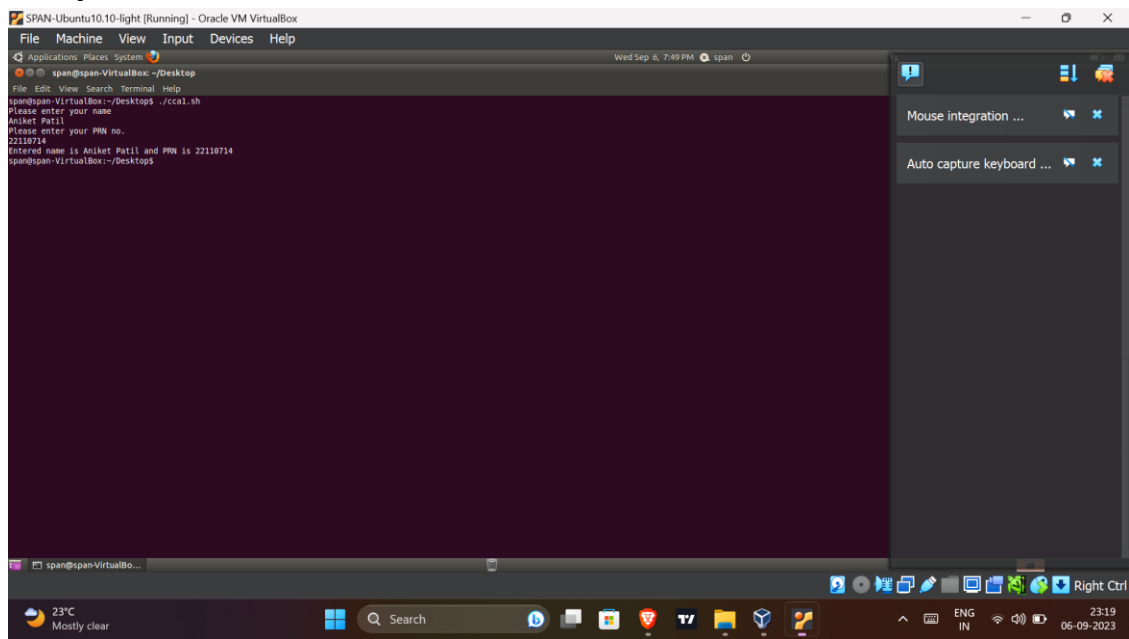


The screenshot shows a VirtualBox window titled 'SPAN-Ubuntu10.10-light [Running] - Oracle VM VirtualBox'. Inside the window, a terminal window is open with the following script:

```
#!/bin/bash
echo "Please enter your name"
read name
echo "Please enter your PRN no.:"
read prn
echo "Entered name is $name and PRN is $prn"
```

The terminal output shows the script has been executed, and the user has entered 'span' for the name and '100' for the PRN number. The output is: 'Entered name is span and PRN is 100'.

Output:



The screenshot shows a Windows desktop with a VirtualBox window titled "SPAN-Ubuntu10.10-light [Running] - Oracle VM VirtualBox". Inside the window, a terminal window is open with the following text:

```
span@span-VirtualBox: ~/Desktop
File Edit View Search Terminal Help
span@span-VirtualBox:~/Desktop$ ./cc1.sh
Please enter your name
Aniket Patil
Please enter your PRN no.
22110714
Entered name is Aniket Patil and PRN is 22110714
span@span-VirtualBox:~/Desktop$
```

The terminal window has a dark purple background. The VirtualBox window has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". The status bar at the bottom of the VirtualBox window shows "Wed Sep 6, 7:49 PM" and "span". The Windows taskbar at the bottom of the screen shows the date "06-09-2023" and time "23:19".

Conclusion:

Thus, we have successfully take the input with using variable from user and print the relative value of that variable.