For Loop | Shell Scripting

This is a multipart blog article series where I am going to explain the concepts of shell scripting and how to write a shell script in Linux, UNIX or Mac based systems. You can also follow this tutorial blog using windows but for that you have to install a bash from.

In this article we are going to understand for loop in shell scripting.

1. The syntax for loop. There are many ways to write the for loop.
   * First way

For VARIBALE in 1 2 3 4 5 . . N

Do

Command1

Command2

Command3

Done

* Second way

For VARIABLE in file1 file2 file3

Do

Command1 on $VARIABLE

Command2

commandN

done

* Third way

For OUTPUT in $(Linux-Or-Unix-Command-Here)

Do

Command1 on $OUTPUT

Command2 on $OUTPUT

commandN

done

* Forth way

For (( EXP1; EXP2; EXP3 ))

Do

Command1

Command2

Command3

Done

1. We can give the range to iterate like this “{1..10}”. Here the range is from 1 to 10
2. If we want to specify increment than we can do that in this way “{1..10..2}”. Here the range is from 1 to 10 and increment will be of 2
3. You can use the above methods only if your bash version is above 4.0. You can check you bash version by this command “echo ${BASH\_VERSION}”

[Reference code file for this article]( https://github.com/rahulMishra05/shell-scripting/blob/main/video19.sh)

So this was a brief introduction of for loop. Hope you liked it and learned something new form it.

If you have any doubt, question, quires related to this topic or just want to share something with me, than please feel free to contact me.