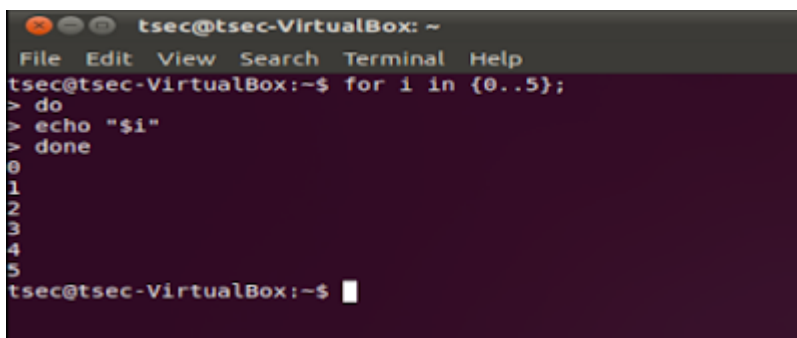


PROGRAM TO IMPLEMENT FOR LOOP USING "in" KEYWORD ?

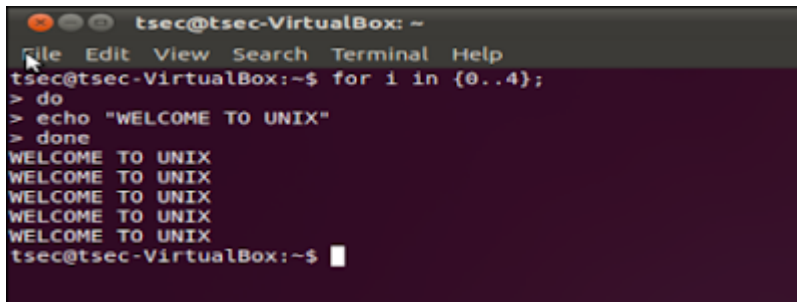
for loop is used to iterate over a list of items. In this program, we will use the 'in' keyword to iterate over a list of numbers. The program will print the value of 'i' for each iteration. The list of numbers is {0..5}. The output of the program will be:

```
0
1
2
3
4
5
```



```
tsec@tsec-VirtualBox: ~
File Edit View Search Terminal Help
tsec@tsec-VirtualBox:~$ for i in {0..5};
> do
> echo "$i"
> done
0
1
2
3
4
5
tsec@tsec-VirtualBox:~$
```

The output of the program is as follows: echo 0, echo 1, echo 2, echo 3, echo 4, echo 5. The program is implemented using the 'in' keyword to iterate over a list of numbers.



```
tsec@tsec-VirtualBox: ~
File Edit View Search Terminal Help
tsec@tsec-VirtualBox:~$ for i in {0..4};
> do
> echo "WELCOME TO UNIX"
> done
WELCOME TO UNIX
WELCOME TO UNIX
WELCOME TO UNIX
WELCOME TO UNIX
WELCOME TO UNIX
tsec@tsec-VirtualBox:~$
```

The output of the program is as follows: WELCOME TO UNIX, WELCOME TO UNIX, WELCOME TO UNIX, WELCOME TO UNIX, WELCOME TO UNIX. The program is implemented using the 'in' keyword to iterate over a list of numbers.

Program to implement for loop using in keyword in Linux

```

tsec@tsec-VirtualBox: ~
File Edit View Search Terminal Help
tsec@tsec-VirtualBox:~$ for i in {0..5};
> do
> echo "WELCOME $i TIMES"
> done
WELCOME 0 TIMES
WELCOME 1 TIMES
WELCOME 2 TIMES
WELCOME 3 TIMES
WELCOME 4 TIMES
WELCOME 5 TIMES
tsec@tsec-VirtualBox:~$ for i in {0..6};
> do
> echo "$i IS NUMBER"
> done
0 IS NUMBER
1 IS NUMBER
2 IS NUMBER
3 IS NUMBER
4 IS NUMBER
5 IS NUMBER
6 IS NUMBER
tsec@tsec-VirtualBox:~$

```

for loop is used to execute a block of code repeatedly for a specified number of times. In the above example, the first loop prints "WELCOME" followed by the value of i (0 to 5) and "TIMES". The second loop prints the value of i (0 to 6) followed by "IS NUMBER".

```

tsec@tsec-VirtualBox: ~
File Edit View Search Terminal Help
tsec@tsec-VirtualBox:~$ for i in {1..1};
> do
> echo "THIS IS TSEC"
> for i in {1..1};
> do
> echo "THIS IS AN ENGINEERING COLLEGE"
> done
> done
THIS IS TSEC
THIS IS AN ENGINEERING COLLEGE
tsec@tsec-VirtualBox:~$

```

for loop is used to execute a block of code repeatedly for a specified number of times. In the above example, the first loop prints "THIS IS TSEC" and the second loop prints "THIS IS AN ENGINEERING COLLEGE". The variable i is used to store the value of the iteration.

```

tsec@tsec-VirtualBox: ~
File Edit View Search Terminal Help
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
tsec@tsec-VirtualBox:~$ for i in SHIVAM;
> do
> echo "$i"
> done
SHIVAM
tsec@tsec-VirtualBox:~$

```

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How many page faults would occur for the following replacement algorithm, assuming four frames:a) FIFO b) LRU

Program to implement for loop using in keyword in Linux

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