



Sagar Institute of Research & Technology, Bhopal

Department of Information Technology

Experiment No. 6

AIM: Write a shell script using for loop to print integer.

THEORY:

A bash for loop is a bash programming language statement which allows code to be repeatedly executed. A for loop is classified as an iteration statement i.e. it is the repetition of a process within a bash script. For example, you can run UNIX command or task 5 times or read and process list of files using a for loop. A for loop can be used at a shell prompt or within a shell.

SYNTAX:

```
#!/bin/bash
for VARIABLE in 1 2 3 4 5 .. N
do
    command1
    command2
    commandN
done
```

CODE:

```
mkdir SHELL
ls
cd SHELL
touch forloop.sh
sudo nano forloop.sh
for((i=1; i<=10; i=i+1 ))
do
echo "$i"
done
```

COMPILE:

```
sudo chmod +x forloop.sh
./forloop.sh
```



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OUTPUT:

```
parwinder@parwinder-VirtualBox:~$ sudo nano forloop.sh
[sudo] password for parwinder:
parwinder@parwinder-VirtualBox:~$ sudo chmod +x forloop.sh
parwinder@parwinder-VirtualBox:~$ ./forloop.sh
1
2
3
4
5
6
7
8
9
10
parwinder@parwinder-VirtualBox:~$ ./forloop.sh
```