Experiment :7

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

THEORY: The **while** loop enables you to execute a set of commands repeatedly until some condition occurs. It is usually used when you need to manipulate the value of a variable repeatedly.

SYNTAX:

```
while [ condition ]
do
        command1
        command2
        commandN
done
```

1.   The condition is evaluated, and if the condition is true, the command1,2…N is executed.

2.   This repeats until the condition becomes false.

3.   The condition can be integer ($i < 5), file test (-e /tmp/lock) or string ($ans != "")

CODE:

```
mkdir SHELL
ls
cd SHELL
touch forloop.sh
sudo nano forloop.sh
i=1;
while [ $i −le 10 ]
do
echo " $i "
((i++))
done
```

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

OUTPUT:

```
parwinder@parwinder-VirtualBox:~$ ./forloop.sh
1
2
3
4
5
6
7
8
9
10
parwinder@parwinder-VirtualBox:~$ ./forloop.sh
```