#### LAB Manual

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Semester: IV Year AY 22-23

**Subject Title: Operating Systems Lab** 

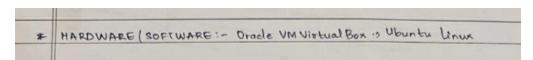
**EXPERIMENT No: 6** 

TITLE: Loop Statement DoP: 9-03-2024

Aim: Implement shell script to demonstrate Loop statements

**Learning Outcomes:** 1. To understand the control statements 2. To Demonstrate the shell script to demonstrate control statements using Linux command.

#### Hardware/Software:



Problem Definition: Implementing for Loop

1. Shell Script using for loop to print the pattern: (ask user to enter value of n)

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Theory:

*	THEORY:-
0	for loop - used when we know in advance how many times we
	want to execute a block of code.
	Initialise a loop, specify a condition and increment/decrement.
	1) 1 . 1 . 1 . 11 at all and a 1 . the condition to brue
2)	while loop: - to execute the block of code as long as the condition to true.
1	do while :- control flow statement that executes a block of code
3)	
3)	repeatedly until a condition becomes false.

### Program:

## Steps to execute the program:

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* STEPS TO EXECUTE:-

1) Write the script on a text editor

2) Save with 'sh' extension.

3) open terminal and navigate to saved place.

4) run seript using "bash script-sh" and follow prompto,

FOR EDUCATIONAL USE
```

# Output:

*	CONCWSION:-
	We learnt how to use loop statements in linux shell. They
	enhance the readability, flexibility and efficiency of Linux shell
	scripts hence they are powerful tools for automation and task
	execution in Linux environment.
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