Babu Madhav Institute of Information Technology, UTU

B.Sc.(IT) (Semester - 3)
IT4026 Operating Systems
Practical CIE – 1

Date: 31-08-2024   Marks: **[30]**

Instructions:
- Create a text file with your enrolment number (202307100110999).
- Put your solution in text file in sequence of question number (even if not attended, do numbering, you can skip the answer.
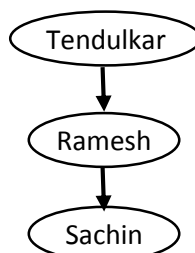
Q:1   Perform following commands.   **[05]**

1.   Write minimum number of commands to create below given directories under your   [02]
current directory.
Suppose your name is Sachin Ramesh Tendulkar
You should create directory structure as below:

```
      ( Tendulkar )
            |
            v
       ( Ramesh )
            |
            v
       ( Sachin )
```

2.   Write a command to delete above directory structure.   [01]
3.   Write a command to display yesterday's date as given below: [01]
Yesterday date was 30-Auguest-2024.
4.   Write a command to display current shell.   [01]

Q:2   Write a script to find the one month emi of loan amount for M months.   **[12]**

$$emi = \frac{loan\ amount + 10\%simple\ interest\ on\ amount}{M}$$

$$simple\ interest = P\ X\ R\ X\ N$$

Where P is amount, R is interest rate and N is Year.
Sample run: (suppose script name is emi.sh)
$sh emi.sh
Enter loan amount: 50000
Enter number of months for emi: 15
Your emi is 3750

Q:3   Write a command line script to display below given pattern as shown in sample run: **[13]**
Sample run1: (suppose script name is ladder.sh)
$sh ladder.sh
Provide a number as command line argument.
USAGE: sh ladder.sh <number>
Sample run1:
$sh ladder.sh 5

```
        _|
       _|
      _|
     _|
    _|
```