Ex. No: 2(b) Roll no:231901004 DATE: 28.01.2025 **Shell Script** Aim: To write a Shell script to check whether a given year is a leap year or not using conditional statements. Algorithm: 1. Start the script. 2. Prompt the user to enter a year. 3. Read the input year. 4. Check the leap year condition: o A year is a leap year if it is divisible by 4 and not divisible by 100, or divisible by 5. Display whether it is a leap year or not. 6. End the script. Program: (leap.sh) #!/bin/bash # Script to check leap year echo "Enter year:" read year if [\$((year % 4)) -eq 0]; then if [\$((year % 100)) -ne 0] | | [

\$((year % 400)) -eq 0 ]; then echo "Leap year"

```
else echo "Not a leap
     year"
   fi
 else
CS23431-OPERATING SYSTEMS
                                                                             RollNo:231901033
   echo "Not a leap year"
 fi
 Sample Input and Output:
 [REC@localhost ~]$ sh leap.sh
 Enter year:
 12
 Leap year
```

## Result:

The Shell script to test whether the given year is a leap year or not was successfully implemented and executed, and the output was verified.