

**Ex. no: 2b)**

**Date:**

**Shell Script**

**Aim:**

To write a Shell script to test given year is leap or not using conditional statement

**Program:**

```
echo "Enter a year:"
read year
if (( year % 4 == 0 )); then
if (( year % 100 == 0 )); then
if (( year % 400 == 0 )); then
echo "leap year."
else
echo "Not a leap year."
fi
else
echo "leap year."
fi
else
echo "Not a leap year."
fi
```

### **Sample Input and Output**

#### **Run the program using the below command**

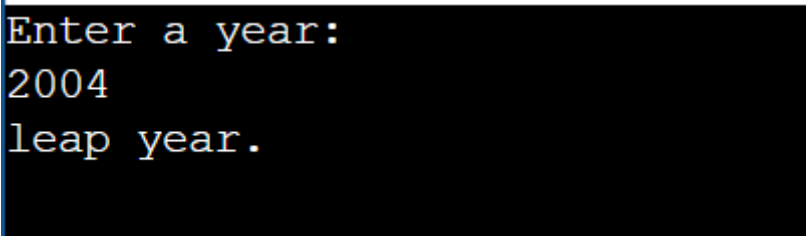
```
[REC @ local host~]$ sh leap.sh
```

```
enter number
```

```
12
```

```
leap year
```

#### **Output:**

A screenshot of a terminal window with a black background and white text. The text shows the program's prompts and user input: 'Enter a year:', '2004', and 'leap year.'.

```
Enter a year:  
2004  
leap year.
```

#### **Result:**

Program is executed successfully and output is verified.