

#leap year

```
read -p "enter the year: " a
```

```
b=`expr $a % 4`
```

```
c=`expr $a % 100`
```

```
if [[ b -eq 0 && c -ne 0 ]]
```

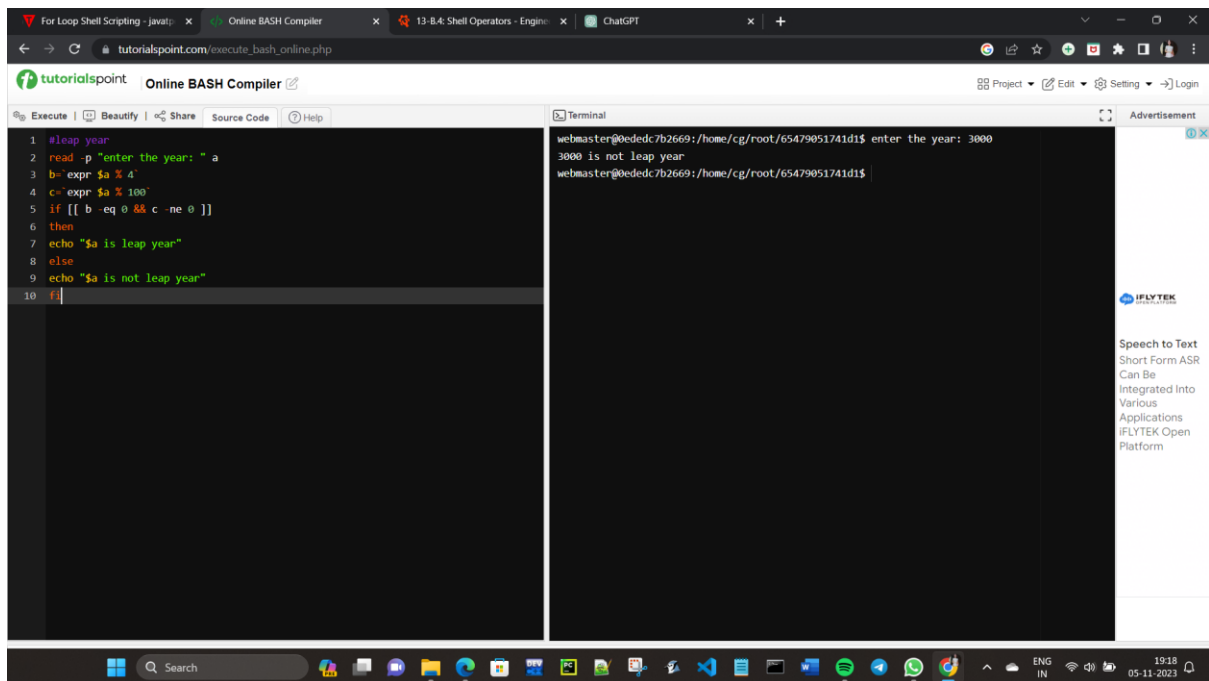
```
then
```

```
echo "$a is leap year"
```

```
else
```

```
echo "$a is not leap year"
```

```
fi
```



The screenshot displays the 'Online BASH Compiler' web application. The left pane contains the Bash script for checking a leap year, with line numbers 1 through 10. The right pane shows the terminal output where the user entered '3000' and the script responded with '3000 is not leap year'. The browser's address bar shows the URL 'tutorialspoint.com/execute_bash_online.php'. The Windows taskbar at the bottom indicates the time is 19:18 on 05-11-2023.

```
1 #leap year
2 read -p "enter the year: " a
3 b=`expr $a % 4`
4 c=`expr $a % 100`
5 if [[ b -eq 0 && c -ne 0 ]]
6 then
7 echo "$a is leap year"
8 else
9 echo "$a is not leap year"
10 fi
```

```
webmaster@0ededc7b2669:/home/cg/root/65479051741d1$ enter the year: 3000
3000 is not leap year
webmaster@0ededc7b2669:/home/cg/root/65479051741d1$
```