

Lab-3

Check whether given year is LEAP OR NOT.

```
echo "Enter The year"
```

```
read y
```

```
if [ 'expr $y % 4' -eq 0 ] && 'expr $y % 100' != 0
```

```
then
```

```
echo "The year is leap"
```

```
else
```

```
echo "The year is not leap"
```

```
fi
```

Output: -

Enter the year

2004

the year is leap

Enter the year

2002

the year is not leap

Find the area of Circle

```
echo "enter the radius"
```

```
read r
```

```
area = 'echo 3.14 \* $r \* $r | bc'
```

```
echo * "$area"
```

Output: -

enter the radius

3

28.26

mv → Command to rename a file.

triangle

```
echo "enter the base :"  
read b  
echo "enter the height :"  
read h  
area = 'echo 0.5 \* $b \* $h | bc'  
echo "$area"
```

Output:-

```
enter the base :  
6  
enter the height :  
3  
9.0
```

square the given number

```
echo "enter the number :"  
read n  
sq = 'echo $n \* $n | bc'  
echo "square of $n is $sq"
```

Output:-

```
enter the number :  
4  
square of 4 is 16
```

Positional parameter

```
echo '$0=' $0  
echo '$1=' $1  
echo '$2=' $2  
echo '$#'=' $#  
echo '$?'=' $?  
echo '$$=' $$
```

rectangle

```
echo "enter the base :"  
read b  
echo "enter the height :"  
read h  
area = 'echo $b \* $h | bc'  
echo "$area"
```

Output:-

```
enter the base :  
4  
enter the height :  
2  
8
```

Output:-

```
$0 = posish  
$1 = 23  
$2 = 29  
$# = 2  
$? = 0  
$$ = 2518
```

Rs
14/11/22