

Lab2 – To find the area of the circle

writeup

```
echo -n "Enter the radius of a circle : "  
read r
```

```
area=$(echo "scale=2;3.14 * ($r * $r)" | bc)
```

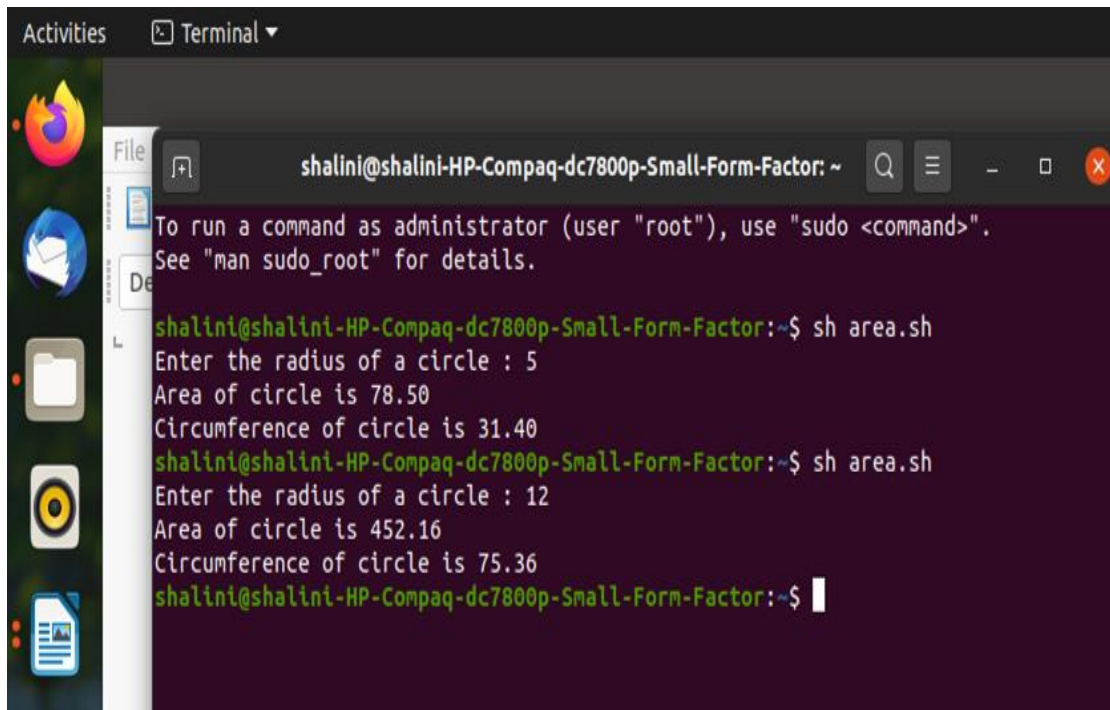
```
d=$(echo "scale=2;2 * $r"|bc)
```

```
circumference=$(echo "scale=2;3.14 * $d"| bc)
```

```
echo "Area of circle is $area"
```

```
echo "Circumference of circle is $circumference"
```

Output:



The screenshot shows a terminal window titled "Terminal" with the user "shalini" on a system named "shalini-HP-Compaq-dc7800p-Small-Form-Factor". The terminal displays the following output:

```
shalini@shalini-HP-Compaq-dc7800p-Small-Form-Factor: ~  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
shalini@shalini-HP-Compaq-dc7800p-Small-Form-Factor:~$ sh area.sh  
Enter the radius of a circle : 5  
Area of circle is 78.50  
Circumference of circle is 31.40  
shalini@shalini-HP-Compaq-dc7800p-Small-Form-Factor:~$ sh area.sh  
Enter the radius of a circle : 12  
Area of circle is 452.16  
Circumference of circle is 75.36  
shalini@shalini-HP-Compaq-dc7800p-Small-Form-Factor:~$
```