



Enter the radius = 6

Enter the height = 8

"Volume of cylinder ="

904.77868

-->

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

scilab.sce

```
1 clc
2 clear
3 r=input("Enter the radius. =")
4 h=input("Enter the height. =")
5 V=%pi*r*r*h
6 disp("Volume of cylinder =",V)
7
8
9
10
11
12
13
14
```

Line 6, Column 30.



Enter the radius = 4

Enter the height = 7

"T S A of cylinder ="

276.46015

-->

scilab.sce (C:\Users\vkylvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkylvi\scilab.sce) - SciNotes

scilab.sce

```
1 clc
2 clear
3 r=input("Enter the radius. =")
4 h=input("Enter the height. =")
5 T=2*pi*r*(h+r)
6 disp("T-S-A-of-cylinder.=",T)
7
8
9
10
11
12
13
14
```



Enter the number = 24

"Even number"

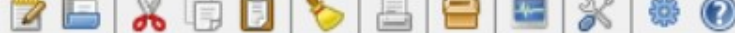
-->

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

```
1 clc
2 clear
3 n=input("Enter the number .=")
4 if(modulo(n,2)==0)
5     .then
6     .disp("Even number");
7 else
8     .disp("Odd number");
9 end
10
11
12
13
14
15
16
17
```



Enter the number = 33

"Odd number"

-->

```
1 clc
2 clear
3 n=input("Enter the number =")
4 if(modulo(n,2)==0)
5     then
6         disp("Even number");
7     else
8         disp("Odd number");
9     end
10
11
12
13
14
15
16
17
```



Enter the number = 65

"Positive number"

-->

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

scilab.sce

```
1 clc
2 clear
3 n=input("Enter the number -=")
4 if(n>0)
5     then
6         disp("Positive number");
7 elseif(n==0)
8     ....disp("Zero");
9 else
10    ....disp("Negative number");
11    ....end
12
13
14
15
16
17
18
19
```



Enter the number = -21

"Negative number"

-->

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

scilab.sce

```
1 clc
2 clear
3 n=input("Enter the number .=")
4 if(n>0)
5 .then
6 .disp("Positive number");
7 elseif(n==0)
8 ----disp("Zero");
9 else
10 ----disp("Negative number");
11 ----end
12
13
14
15
16
17
18
19
```

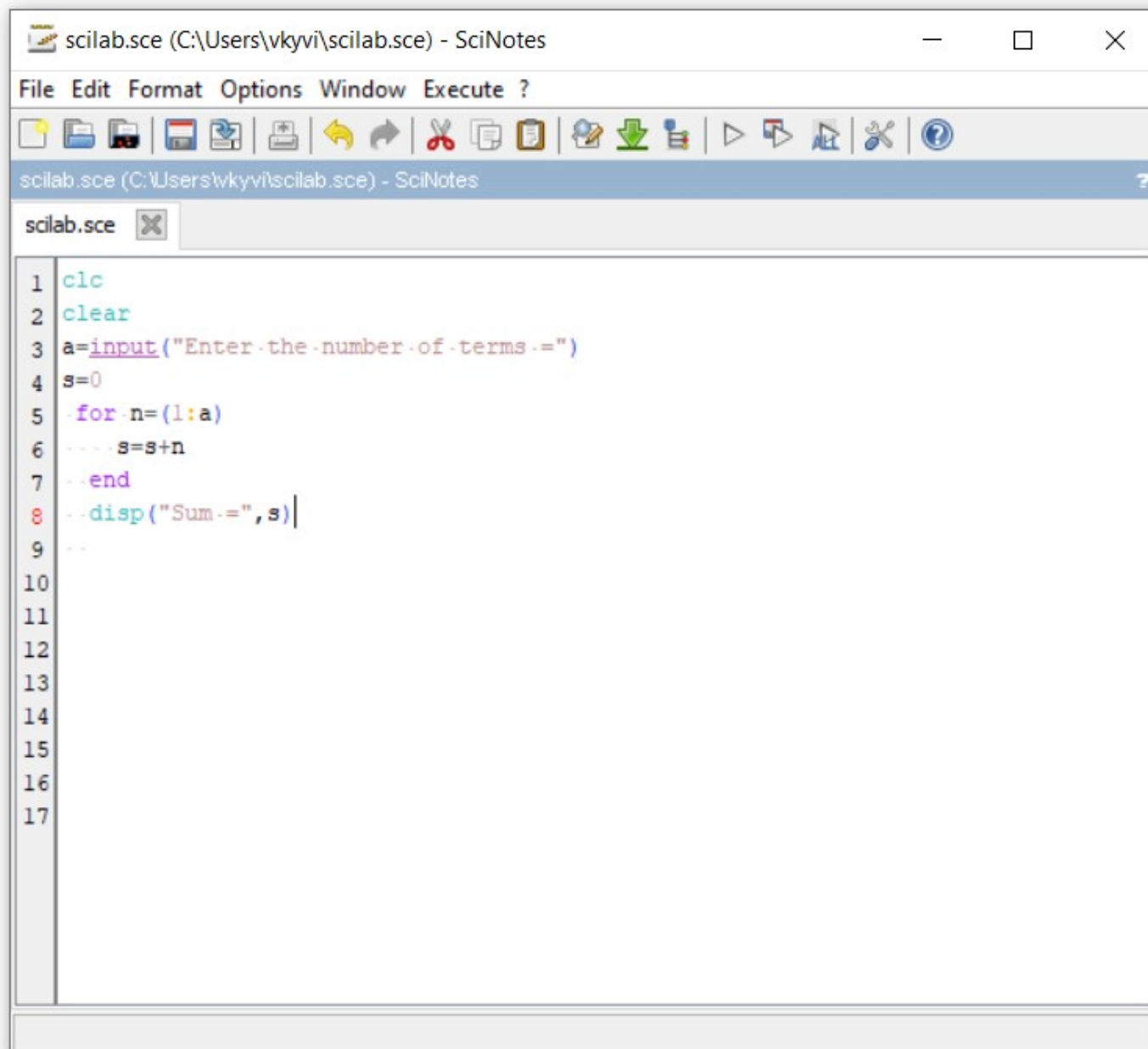
Line 14, Column 0.

Enter the number of terms = 4

"Sum ="

10.

-->



The screenshot shows a Scilab console window with a menu bar (File, Edit, Format, Options, Window, Execute, ?) and a toolbar. The main area displays the following code:

```
1 clc
2 clear
3 a=input("Enter the number of terms =")
4 s=0
5 for n=(1:a)
6     s=s+n
7 end
8 disp("Sum =",s)
9
```

The code is executed, and the output "Sum =" is displayed in the console. The user has entered "4" as the number of terms, and the sum of the first 4 terms (1+2+3+4) is 10.



Enter the number of terms = 5

"Sum ="

15.

-->

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

scilab.sce

```
1 clc
2 clear
3 a=input("Enter the number of terms =")
4 i=1
5 s=0
6 while i<=a;
7     s=s+(i);
8     i=i+1;
9 end
10 disp("Sum =",s)
11 ..
12
13
14
15
16
17
18
19
```




Enter the number = 6

"Factorial ="

720.

-->

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

scilab.sce

```
1 clc
2 clear
3 a=input("Enter the number =")
4 f=1
5 for i=1:a
6     f=f*i;
7 end
8 disp("Factorial =",f)
9
10
11
12
13
14
15
16
17
```



Enter the number = 7

"Factorial ="

5040.

-->

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

scilab.sce

```
1 clc
2 clear
3 a=input("Enter the number .=")
4 i=1
5 f=1
6 while i<=a
7     f=f*i;
8     i=i+1;
9 end
10 disp("Factorial .=",f)
11
12
13
14
15
16
17
18
19
```

Scilab 6.1.1 Console

File Edit Control Applications ?



Scilab 6.1.1 Console

Enter the number = 20

1. 1. 2. 3. 5. 8. 13. 21. 34. 55. 89. 144. 233. 377. 610. 987. 1597. 2584. 4181. 6765.

-->

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

scilab.sce

```
1 clc
2 clear
3 a=input("Enter the number .=")
4 s=1:a
5 s(1)=1;
6 s(2)=1;
7 for i=3:a
8     s(i)=s(i-2)+s(i-1)
9 end
10 disp(s)
11
12
13
14
15
16
17
18
```



"Volume of cylinder="

785.39816

"TSA of cylinder ="

471.23890

-->

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

File Edit Format Options Window Execute ?

scilab.sce (C:\Users\vkyvi\scilab.sce) - SciNotes

scilab.sce

```
1 clc
2 clear
3 function[V,S]=cylinder(r,h)
4 V=%pi*(r^2)*h
5 S=2*%pi*r*(h+r)
6 disp("Volume of cylinder=",V)
7 disp("TSA of cylinder =",S)
8 endfunction
9 [V,S]=cylinder(5,10)
10
11
12
13
14
15
16
17
18
```