Scilab 6.1.1 Console

File Edit Control Applications ?

Scilab 6.1.1 Console

```
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.

File Edit Control Applications ?

Scilab 6.1.1 Console

```
Enter the radius = 4

Enter the height = 7


  "T S A of cylinder ="

   276.46015

-->
```

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  T=2*%pi*r*(h+r)
6  disp("T S A of cylinder =",T)
7
8
9
10
11
12
13
14
```

File Edit Control Applications ?

Scilab 6.1.1 Console

```
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

scilab.sce

```
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
```

Scilab 6.1.1 Console

```
Enter the number = 33


  "Odd 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(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
```

File Edit Control Applications ?

Scilab 6.1.1 Console

```
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
```

File Edit Control Applications ?

Scilab 6.1.1 Console

```
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.

Scilab 6.1.1 Console

```
Enter the number of terms = 4


  "Sum ="

   10.

-->
```

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  s=0
5   for n=(1:a)
6      s=s+n
7    end
8    disp("Sum =",s)
9
10
11
12
13
14
15
16
17
```

Scilab 6.1.1 Console

File Edit Control Applications ?

Scilab 6.1.1 Console

```
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
```

Scilab 6.1.1 Console

File Edit Control Applications ?

Scilab 6.1.1 Console

```
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
```

File Edit Control Applications ?

Scilab 6.1.1 Console

```
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
```

Scilab 6.1.1 Console

File Edit Control Applications ?

Scilab 6.1.1 Console

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