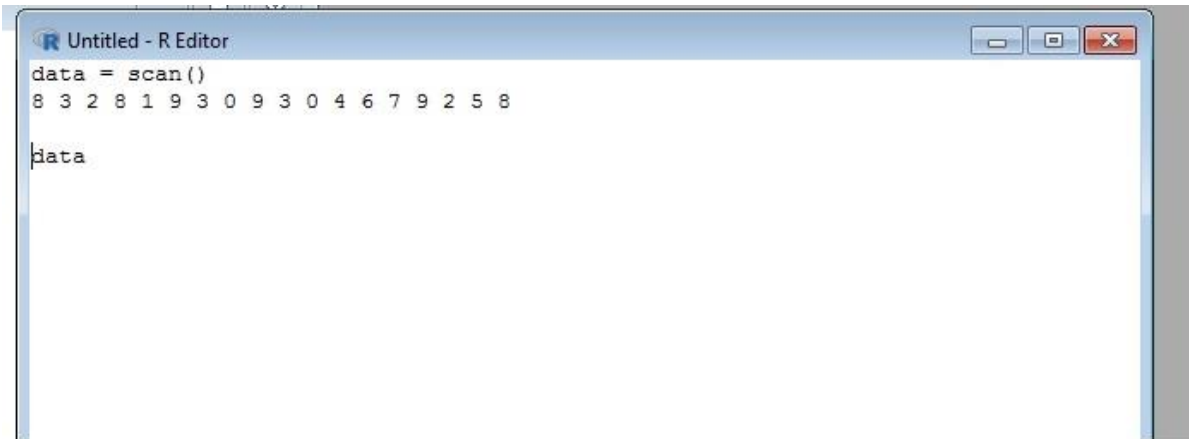


## Use scan( ) to Make Numerical Data



```
Untitled - R Editor
data = scan()
8 3 2 8 1 9 3 0 9 3 0 4 6 7 9 2 5 8

data
```

```
> data = scan( )
```


```
1: 8 3 2 8 1 9 3 0 9 3 0 4 6 7 9 2 5 8
```

```
19:
```

```
Read 18 items
```

```
> data
```

```
[1] 8 3 2 8 1 9 3 0 9 3 0 4 6 7 9 2 5 8
```

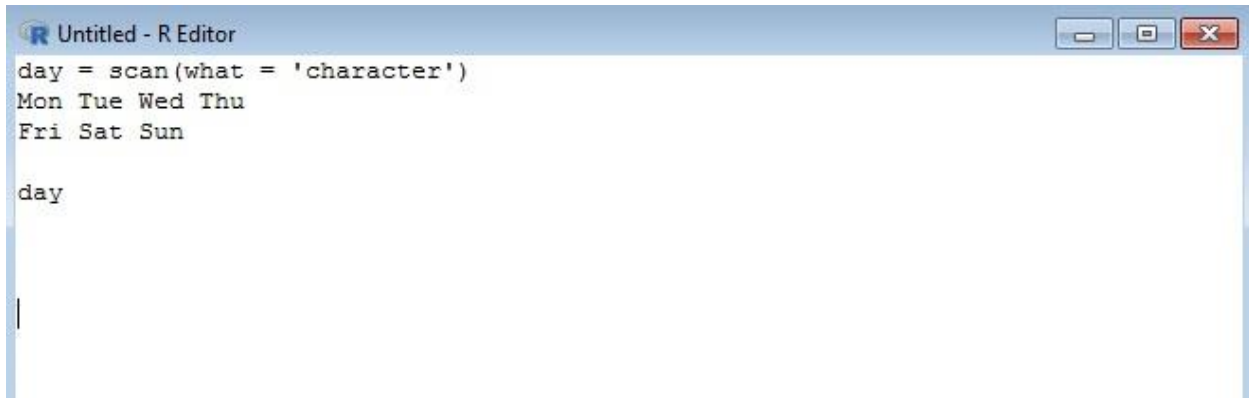


```
R Console
> data = scan()
1: 8 3 2 8 1 9 3 0 9 3 0 4 6 7 9 2 5 8
19:
Read 18 items
> data
[1] 8 3 2 8 1 9 3 0 9 3 0 4 6 7 9 2 5 8
> |
```

Note: Entries are not separated by comma here unlike `c( )` command. After entering the values leave a blank line to tell the system that data as finished.

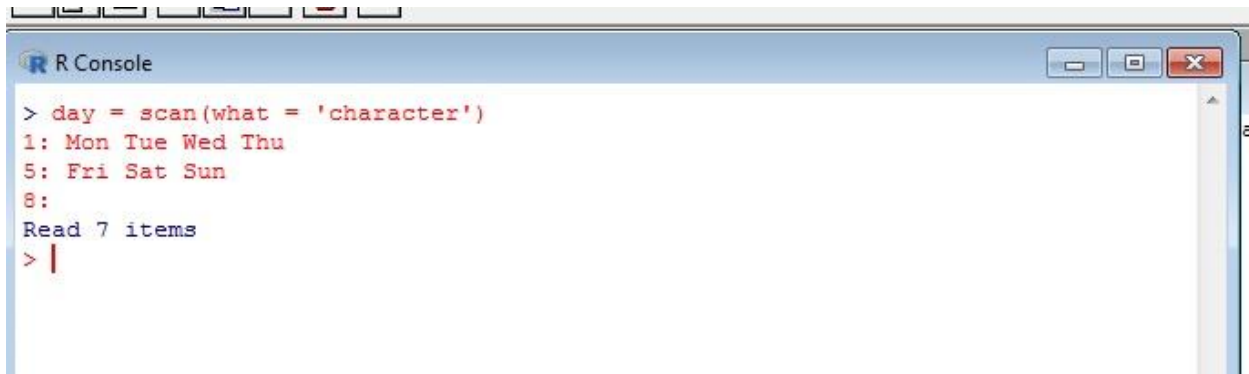
## Enter text as data using scan( ) command

Suppose we have to enter days of a week using scan( ) command.



```
Untitled - R Editor
day = scan(what = 'character')
Mon Tue Wed Thu
Fri Sat Sun

day
```



```
R Console
> day = scan(what = 'character')
1: Mon Tue Wed Thu
5: Fri Sat Sun
8:
Read 7 items
> |
```

## To read a file saved in your system using scan( ) command

If you have a notepad file saved in your system containing data it can be read using the instruction file.choose( ) as part of your scan( ) command.



```
data - Notepad
File Edit Format View Help
12 45 24 87 56 76 90
34 87 89 27 34 82 25
37 84 47 92
```

```
Untitled - R Editor
data= scan(file.choose())

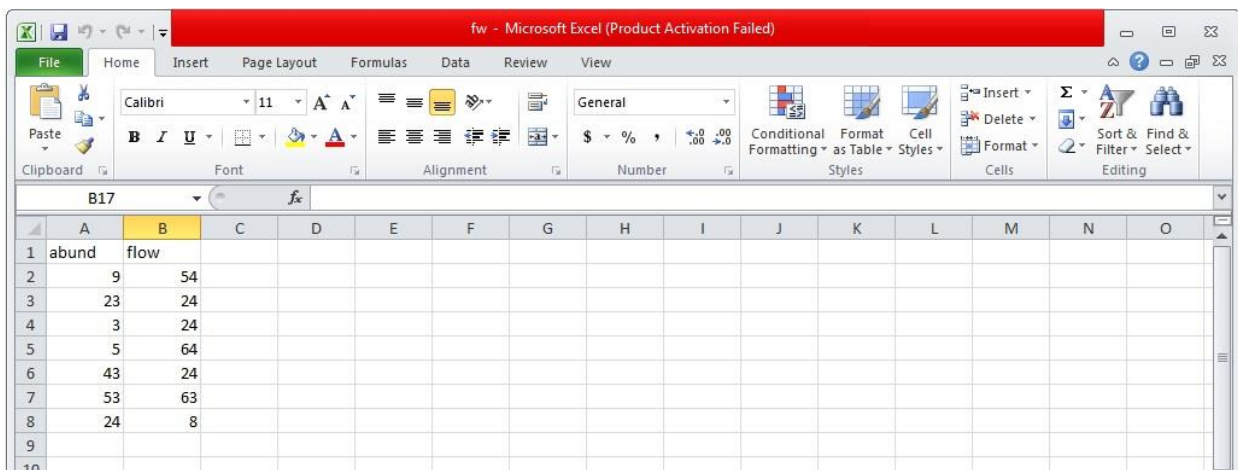
data
```

file.choose() opens a dialogue box to browse and open the desired file. Once the file is selected its entries are read by the software.

```
R Console
> data= scan(file.choose())
Read 18 items
>
> data
[1] 12 45 24 87 56 76 90 34 87 89 27 34 82 25 37 84 47 92
> |
```

If you have a file saved in excel format, save that as a CSV file and use the read.csv() command to read the file.

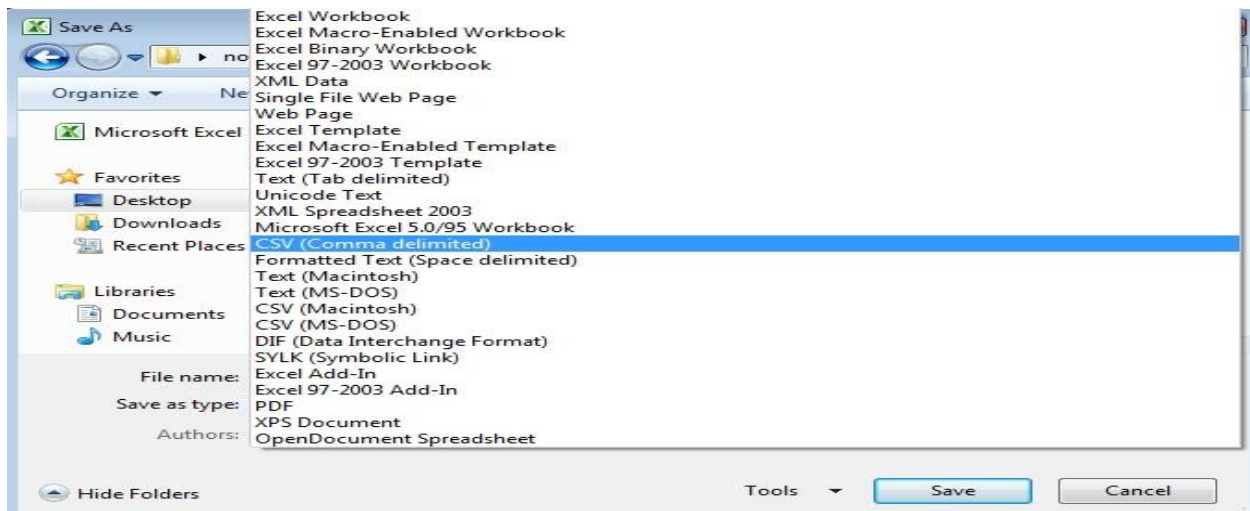
- First create an excel file



The screenshot shows a Microsoft Excel spreadsheet with two columns: 'abund' and 'flow'. The data is as follows:

	abund	flow
1	9	54
2	23	24
3	3	24
4	5	64
5	43	24
6	53	63
7	24	8
8		
9		
10		

- Go to save as and select save as type CSV file.



- Use `read.csv()` command to read the file. (file is saved with name fw)



- Output in the console

