

```
> read.csv("C:/R/TurtlesWeek4.csv")
```

	Turtle	Mon	Tue	Wed	Thu	Fri
1	10	24	23	7	17	28
2	20	1	34	36	8	47
3	30	19	26	15	46	50
4	40	29	36	13	10	45
5	50	35	43	22	31	25
6	60	10	9	20	13	34
7	70	7	20	46	44	8
8	80	10	39	50	20	20
9	90	45	15	9	2	41
10	100	3	47	49	18	42
11	110	8	44	27	17	36
12	120	50	39	7	40	1
13	130	10	41	10	43	16
14	140	32	27	47	27	5
15	150	32	23	7	2	5
16	160	11	10	32	17	35
17	170	22	9	31	26	28
18	180	15	31	1	37	27
19	190	48	22	20	21	48

```
> turtleswide <- read.csv("C:/R/TurtlesWeek4.csv")
```

```
> names(turtleswide)
```

```
[1] "Turtle" "Mon" "Tue" "Wed" "Thu" "Fri"
```

```
> turtleswide$rowID = row(turtleswide[1])
```

```
> names(turtleswide)
```

```
[1] "Turtle" "Mon" "Tue" "Wed" "Thu" "Fri" "rowID"
```

```
> turtleswide
```

	Turtle	Mon	Tue	Wed	Thu	Fri	rowID
1	10	24	23	7	17	28	1
2	20	1	34	36	8	47	2
3	30	19	26	15	46	50	3
4	40	29	36	13	10	45	4
5	50	35	43	22	31	25	5

```
> turtlesTall <- melt(turtleswide, id = c("rowID", "Turtle"), measured = c("Mon", "Tue", "Wed", "Thu", "Fri"))
```

```
> names(turtlesTall)
```

```
[1] "rowID" "Turtle" "variable" "value"
```

```
> names(turtlesTall) <- c("rowID", "Turtle", "DayOfWeek", "Moved")
```

```
> names(turtlesTall)
```

```
[1] "rowID" "Turtle" "DayOfWeek" "Moved"
```

```
> turtlesTall
```

	rowID	Turtle	DayOfWeek	Moved
1	1	10	Mon	24
2	2	20	Mon	1
3	3	30	Mon	19
4	4	40	Mon	29
5	5	50	Mon	35

92	16	160	Fri	35
93	17	170	Fri	28
94	18	180	Fri	27
95	19	190	Fri	48