**> 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