
```
1 print("hello, world")
```

```
1 # Demonstrates a bug
2
3 prin("hello, world")
```

```
1  readline("What's your name? ")
```

```
1 readline("What's your name? ")
2 print("Hello, Carter")
```

```
1 name <- readline("What's your name? ")
2 print("Hello, name")
```

```
1 name <- readline("What's your name? ")
2 greeting <- paste("Hello, ", name)
3 print(greeting)
```

```
1 name <- readline("What's your name? ")
2 greeting <- paste("Hello, ", name, sep = "")
3 print(greeting)
```

```
1 name <- readline("What's your name? ")
2 greeting <- paste0("Hello, ", name)
3 print(greeting)
```

```
1 name <- readline("What's your name? ")
2 print(paste("Hello,", name))
```

```
1 # Ask user for name
2 name <- readline("What's your name? ")
3
4 # Say hello to user
5 print(paste("Hello,", name))
```

```
1 mario <- readline("Enter votes for Mario: ")
2 peach <- readline("Enter votes for Peach: ")
3 bowser <- readline("Enter votes for Bowser: ")
4
5 total <- mario + peach + bowser
6
7 print(paste("Total votes:", total))
```

```
1 mario <- readline("Enter votes for Mario: ")
2 peach <- readline("Enter votes for Peach: ")
3 bowser <- readline("Enter votes for Bowser: ")
4
5 mario <- as.integer(mario)
6 peach <- as.integer(peach)
7 bowser <- as.integer(bowser)
8
9 total <- mario + peach + bowser
10
11 print(paste("Total votes:", total))
```

```
1 mario <- as.integer(readline("Enter votes for Mario: "))
2 peach <- as.integer(readline("Enter votes for Peach: "))
3 bowser <- as.integer(readline("Enter votes for Bowser: "))
4
5 total <- sum(mario, peach, bowser)
6
7 print(paste("Total votes:", total))
```

```
1 votes <- read.table("votes.csv")
2 View(votes)
```

```
1 votes <- read.table(  
2   "votes.csv",  
3   sep = ",",  
4 )  
5 View(votes)
```

```
1 votes <- read.table(  
2   "votes.csv",  
3   sep = ",",  
4   header = TRUE  
5 )  
6 View(votes)
```

```
1 votes <- read.csv("votes.csv")
2 View(votes)
```

```
1 votes <- read.csv("votes.csv")
2
3 votes[, 1]
4 votes[, 2]
5 votes[, 3]
```

```
1 votes <- read.csv("votes.csv")
2
3 colnames(votes)
4
5 votes$candidate
6 votes$poll
7 votes$mail
```

```
1 votes <- read.csv("votes.csv")
2
3 sum(votes$poll[1], votes$poll[2], votes$poll[3])
```

```
1 votes <- read.csv("votes.csv")
2
3 sum(votes$poll)
4 sum(votes$mail)
```

```
1 votes <- read.csv("votes.csv")
2
3 votes$poll[1] + votes$mail[1]
4 votes$poll[2] + votes$mail[2]
5 votes$poll[3] + votes$mail[3]
```

```
1 votes <- read.csv("votes.csv")
2
3 votes$poll + votes$mail
```

```
1 votes <- read.csv("votes.csv")
2
3 votes$total <- votes$poll + votes$mail
```

```
1 votes <- read.csv("votes.csv")
2
3 votes$total <- votes$poll + votes$mail
4
5 write.csv(votes, "totals.csv")
```

```
1 votes <- read.csv("votes.csv")
2
3 votes$total <- votes$poll + votes$mail
4
5 write.csv(votes, "totals.csv", row.names = FALSE)
```

```
1 # Demonstrates reading data from a URL
2
3 url <- "https://github.com/fivethirtyeight/data/raw/master/non-voters/nonvoters_data.csv"
4 voters <- read.csv(url)
```

```
1 # Demonstrates finding number of rows and columns in a large data set
2
3 url <- "https://github.com/fivethirtyeight/data/raw/master/non-voters/nonvoters_data.csv"
4 voters <- read.csv(url)
5
6 nrow(voters)
7 ncol(voters)
```

```
1 # Demonstrates finding unique values in a vector
2
3 url <- "https://github.com/fivethirtyeight/data/raw/master/non-voters/nonvoters_data.csv"
4 voters <- read.csv(url)
5
6 unique(voters$voter_category)
```

```
1 # Demonstrates NA
2
3 url <- "https://github.com/fivethirtyeight/data/raw/master/non-voters/nonvoters_data.csv"
4 voters <- read.csv(url)
5
6 voters$Q22
7 unique(voters$Q22)
```

```
1 # Demonstrates converting a vector to a factor
2
3 url <- "https://github.com/fivethirtyeight/data/raw/master/non-voters/nonvoters_data.csv"
4 voters <- read.csv(url)
5
6 voters$Q21
7
8 factor(
9   voters$Q21
10  )
11
12 factor(
13   voters$Q21,
14   labels = c("?", "Yes", "No", "Unsure/Undecided")
15  )
```

```
1 # Demonstrates excluding values from the levels of a factor
2
3 url <- "https://github.com/fivethirtyeight/data/raw/master/non-voters/nonvoters_data.csv"
4 voters <- read.csv(url)
5
6 voters$Q21 <- factor(
7   voters$Q21,
8   labels = c("Yes", "No", "Unsure/Undecided"),
9   exclude = c(-1)
10 )
```