

- Create a variable `z` that has value 32

Indented block

```
z <- 32
z
```

32

- Create a variable `w` that is equal to `z/3`

```
w <- z/3
w
```

10.666666666666667

- Define a character vector `a` that has these strings on it "Hello", "Goodbye", "Goodnight", "Bye":

```
myStrings<- c("Hello", "Goodbye", "Goodnight", "Bye")
```

```
Error in parse(text = x, srcfile = src): <text>:1:15: unexpected input
1: myStrings<- c("
  ^
```

Traceback:

SEARCH STACK OVERFLOW

Define a vector variable `q` that has 3,-3,2,-1,0,-4,-6,3,-7,4,2,3,-2,-4,4 on it.

```
q<- (3,-3,2,-1,0,-4,-6,3,-7,4,2,3,-2,-4,4)
```

Next create a dataframe for this data:

Name	GPA	Major	Phone
Alexa	3.7	FBM	212 398 2375
Tanya	3.6	AMC	212 323 3040
Hubert	3.4	FBM	718 232 9392

- create a dataframe for this data

```
Name<- ("Alexa", "Tanya", "Hubert")
GPA<- (3.7, 3.6, 3.4)
Major<- "FBM", "AMC", "FBM"
```

```
Phone<-( "212 398 2375", "212 323 3040", "718 232 9392")
df <- data.frame (Name,GPA,Major,Phone)
```

- Print out the structure of your data frame using `str`

```
str (df)
```

```
function (x, df1, df2, ncp, log = FALSE)
```

- Print out just the GPA column using `$` sign: (Replace CODE below with the right column name for this.

```
Print (df$)
```

```
Error in parse(text = x, srcfile = src): <text>:1:11: unexpected ')'
1: Print (df$)
      ^
```

Traceback:

SEARCH STACK OVERFLOW

- Now print out the first few lines of the data frame using `head`

CODE

- Use `summary(df)` to print out a summary of the data frame data:

CODE

- Delete the column "Major" from the data frame:

CODE

- Print out the structure of your data frame showing the column above removed:

CODE

Finally add a column called "ID" Your data frame will look like this after doing this:

Name	GPA	Phone	ID
Alexa	3.7	212 398 2375	1001

Name	GPA	Phone	ID
Tanya	3.6	212 323 3040	1002
Hubert	3.4	718 232 9392	1003

- add a column called "ID"

```
df$ID <- CODE
```

- Print out the structure of the new data frame using `str`:

```
CODE
```

- Change Tanyas GPA in the dataframe to be `3.98`

```
df[2,2] <- CODE
```

- Print out the data frame using `head` to make sure her GPA is changed:

```
CODE
```