

# datacamp: intro to R

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```
a <- "evan"  
b1 <- 45.6  
b2 <- "45.6"  
c1 <- 1:3
```

1. string
2. integer
3. string
4. error for mix of object classes (non-numeric string to binary operator)
5. yes, they are both numeric
5. 3 integers are produced,  $(45.6 + 1)$ ,  $(45.6 + 2)$ ,  $(45.6 + 3)$

```
v1 <- -2:2  
v2 <- v1*3  
sum(v2)
```

```
## [1] 0
```

```
7.v1 <- -2:2 8.v2 <- v1*3 9.sum(v2)
```

```
vec_4 <- 1:12  
mat_1 <- matrix(vec_4, nrow = 3, ncol = 4, byrow = F)  
mat_2 <- matrix(vec_4, nrow = 3, ncol = 4, byrow = T)
```

```
10. mat_1 <- matrix(vec_4, nrow = 3, ncol = 4, byrow = F)
```

```
11. mat_2 <- matrix(vec_4, nrow = 3, ncol = 4, byrow = T)
```

12.

```
my_list_1 <- list("one" = 5.2, "two" = "five point two", "three" = 0:5)
```

13.

```
my_list_1[[3]]
```

```
## [1] 0 1 2 3 4 5
```

14.

```
my_list_1$"one"
```

```
## [1] 5.2
```

```
my_vec = rep(1:3, 5)  
my_vec
```

```
## [1] 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3
```

15.

```
my_bool_vec <- my_vec == 3
```

16.

```
my_vec[my_bool_vec == TRUE]
```

```
## [1] 3 3 3 3 3
```