



Congratulations! You passed!

TO PASS 66% or higher

Keep Learning

GRADE
100%

Base R and Functions Quiz

LATEST SUBMISSION GRADE

100%

1. What does this line of code do in R?

1 / 1 point

```
a <- 2+2
```

- ☐ Tells R that "a" will be less than or equal to 2+2
- ☒ Assigns the value of 2+2 to the object "a"
- ☐ Creates a function (a) that will execute 2+2



Correct

Correct!

2. Will R return a value of true or false if you evaluate this expression?

1 / 1 point

```
"apple"=="appla"
```

- ☒ It will return the value "FALSE".
- ☐ It will return the value "TRUE".



Correct

When you use the "==" or "is equal" operator with two character strings, R will test whether those two strings are exactly the same. In this case, the two strings are different, so R will return "FALSE" if you run this code.

3. What will happen if you try to run this line of code in R?

1 / 1 point

```
10variable1 <- c(5,19,10,"apple")
```

- ☒ R will return an error because 10variable1 is not a valid object name.
- ☐ R will return an error because you cannot combine numbers and character strings into the same vector in R.
- ☐ R will save the vector to the object 10variable1



Correct

Correct. You cannot start an object name in R with a number, so would give you an error and do nothing if you tried to run this code.

4. What does the class() function do in R?

1 / 1 point

- ☐ Creates a new object class in R.
- ☐ Assigns a class to an object in R.
- ☒ Gives a line of output that identifies the class of an object in R.



Correct

Correct! class() will tell you the class of the object you put inside the parenthesis. It might be something like numeric, logical, or character.

5. In R, create the following object:

1 / 1 point

```
test_vector <- c("dog","fish","pig","parrot").
```

After you create the object, what do you get if you then run test_vector[4]?

- ☐ "dog"
- ☐ "fish"
- ☐ "pig"
- ☒ "parrot"
- ☐ "dog","fish","pig","parrot"
- ☐ TRUE

☐ FALSE

✓ **Correct**

Correct! test_vector[4] returns the fourth element of the vector, which in this case is "parrot."

6. What value will this return?

1 / 1 point

```
1 subtract_and_divide<- function(x,y){  
2   x-y  
3   x/y  
4 }  
5  
6 subtract_and_divide(4,8)  
7
```

☐ -4 and .5

☒ .5

☐ 4

☐ -4

✓ **Correct**

Correct!