

# Solutions to the R packages challenge problems

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21 Feb 2018

## Challenge 1

### DESCRIPTION

```
Package: challenge1
Title: Solution to Challenge 1
Description: This package solves the first challenge problem from the R
  packages talk given at the Research Bazaar 2018.
...
```

### R/functions.R

```
square <- function(x)
  x * x

cube <- function(x)
  x * x * x
```

## Challenge 2

### DESCRIPTION

```
Package: challenge2
Title: Solution to Challenge 2
Description: This package solves the second challenge problem from the R
  packages talk given at the Research Bazaar 2018.
...
```

### R/functions.R

```
fullname <- function(firstname, surname)
  paste(firstname, surname)

sentence <- function(firstname, surname)
  paste("The name", fullname(firstname, surname), "contains",
    nchar(firstname) + nchar(surname), "characters")
```