

## Quiz 3

[Back to Week 3](#)

**4/4** points  
earned (100%)

Quiz passed!



1 / 1  
points

1.

Which of the following items is required for an R package to pass R CMD check without any warnings or errors?



vignette



**Correct Response**



unit tests



**Correct Response**



a demo directory



**Correct Response**



example data sets



**Correct Response**



DESCRIPTION file



**Correct Response**

One way to answer this question is start with an existing R package and start removing things one by one.



points

2.

Which of the following is a generic function in a fresh installation of R, with only the default packages loaded?



colSums



**Correct Response**



lm



**Correct Response**



show



**Correct Response**



dgamma



**Correct Response**



predict



**Correct Response**



mean



**Correct Response**



1 / 1  
points

3.

What function is used to obtain the function body for an S4 method function?



getMethod()



**Correct Response**



getClass()



showMethods()

☐ getS3method()



1 / 1  
points

4.

Please download the R package DDPQuiz3 from the course web site. Examine the `createmean` function implemented in the `R/` sub-directory. What is the appropriate text to place above the `createmean` function for Roxygen2 to create a complete help file?



```
1 This function calculates the mean
2 @param x is a numeric vector
3 @return the mean of x
4 @export
5 @examples
6 x <- 1:10
7 createmean(x)
```



```
1 #' This function calculates the mean
2 #'
3 #' @return the mean of x
4 #' @export
5 #' @examples
6 #' x <- 1:10
7 #' createmean(x)
```



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3 #' @param x is a numeric vector
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5 #' @export
6 #' @examples
7 #' x <- 1:10
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**Correct Response**



```
1 #' This function calculates the mean
2 #'
3 #' @param x is a numeric vector
4 #' @return the mean of x
5 #' @export
6 #' @examples
7 #' x <- 1:10
8 #' createmean(y)
```