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quiz 2 - my explanation to get the answer
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load the datasets of Iris

8 126.5779

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to get the mean of the Sepal.length for all the species sapply(split(iris$Sepal.Length,iris$Species), mean) setosa versicolor virginica 5.006 5.936 6.588
```

Continuing with the 'iris' dataset from the previous Question, what R code returns a vector of the means of the variables 'Sepal.Length', 'Sepal.Width', 'Petal.Length', and 'Petal.Width'? pply(iris[, 1:4], 2, mean)

Sepal.Length Sepal.Width Petal.Length Petal.Width
5.843333 3.057333 3.758000 1.199333

How can one calculate the average miles per gallon (mpg) by number of cylinders in the CARC (cal)?

> tapply(mtcars\$mpg, mtcars\$cyl, mean)
4 6 8
26.66364 19.74286 15.10000

Continuing with the 'mtcars' dataset from the previous Question, what is the absolute difference between the average horsepower of 4-cylinder CARS and the average horsepower of 8-cylinder cars?

> t<-sapply(split(mtcars\$hp,mtcars\$cyl),mean)

> t
4 6 8
82.63636 122.28571 209.21429