```
title: "chapter 6 Data Cleaning & apply Lab B"
author: "Your Name Here"
output: html document
##### Remember to change the `author: ` field on this Rmd file to your own
name.
#### 1. Loop practice
\ensuremath{^{**}}\xspace (a) \ensuremath{^{**}}\xspace Write a function called `calculateRowMeans` that uses a \ensuremath{^{**}}\xspace for
loop** to calculate the row means of a matrix `x`.
```{r}
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**(b) ** Try out your function on the random matrix `fake.data` defined
below.
```{r}
set.seed(12345) # Set seed of random number generator
fake.data <- matrix(runif(800), nrow=25)</pre>
**(b) ** Use the `apply()` function to calculate the row means of the
matrix `fake.data`
```{r}
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**(c) ** Compare this to the output of the `rowMeans()` function to check
that your calculation is correct.
```{r}
# Edit me
#### 2. tapply() practice
Use `tapply()` on the Cars93 data set to create a table showing the
average `Turn.circle` of cars, broken down by vehicle `Type` and
`DriveTrain`
```{r}
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3. with() practice
```{r}
library (MASS) # Load the library that Cars93 is in
```

```
Below is a code chunk that produces box plots of Horsepower against
vehicle Type.

```{r, fig.align='center', fig.width=7, fig.height=5}
boxplot(Cars93$Horsepower ~ Cars93$Type)

```
Use the `with()` function to produce the same plot with different syntax.

```{r, fig.align='center', fig.width=7, fig.height=5}
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