assignmentOne

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Q1

1. Create the following vectors, populated with information about the four MSAN boot-camp classes

```r
courseNum <- c("593", "501", "504", "502")
courseName <- c("Exploratory Data Analysis", "Computation for Analytics", "Review of Probability and Sta
courseProf <- c("Paul Intrevado", "Terrence Parr", "Jeff Hamrick", "Xuemei Chen")
enrolled <- c(1, 1, 1, 0)
anticipatedGrade <- c("A", "A", "B", NA)
anticipatedHours <- c(15, 10, 15, NA)
```

Table summarizing type and class for each vector

```r
# make Matrix
names <- c("courseNum", "courseName", "courseProf", "enrolled", "anticipatedGrade", "anticipatedHours")
types <- c(typeof(courseNum), typeof(courseName), typeof(courseProf), typeof(enrolled), typeof(anticipa
class <- c(class(courseNum), class(courseName), class(courseProf), class(enrolled), class(anticipatedGra

myMatrix <- matrix(c(names, types, class), nrow=6, ncol=3, byrow=FALSE)
colnames(myMatrix) <- c("items", "type", "class")

# make DF
bootcampDataFrame <- data.frame(
  courseNum,
  courseName,
  courseProf,
  enrolled,
  anticipatedGrade,
  anticipatedHours
)
```