```
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title: "Stat 123 Lab1"
author: "Koki Itagaki"
date: "2023-01-17"
output:
  html_document: default
  pdf_document: default
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```

````
```{r setup, include=FALSE}
knitr::opts_chunk$set(echo = TRUE)
```
````

Question 1

````
```{r courses}
#Create a vector courses
courses<-c("seng 265","Stat 354","Stat 359","Stat 123")
#Print out the elements of the vector.
courses
#Print out the 2nd element of the vector
courses[2]
```
````

Question 2

````
```{r numbers}
#Create a vector called nums which contains the numbers 4, 5, 6, 7, …, 154, 155.

nums<-c(4:155)
#(a) Use the sum() function to add all the values in nums.
sum(nums)

#(b) Use the mean() function to find the average of all values in nums.
mean(nums)


#(c) Use the prod() function to find the product of all values in nums.
prod(nums)
```
````

````
```{r}
#3. Create a vector called sleep which contains how many hours of sleep you get on each
day of the week
sleep<-c(8,5,6,4,4,5,6)
#(a) Create a vector called days which contains the names of the days of the week
(starting with Monday).
days<-c("Monday","Tuesday","Wednesday","Thursday", "Friday")

#(b) Print out the mean of your sleep hours during workdays (Monday to Friday).
mean(sleep)
#(c) Print out the length of the days vector.
length(days)


```
````