Lab 5 Hints:

TASK 6:

Classical method confidence intervals and point estimates

```
library(s20x)   #invoke s20x package
y.lm=lm(y~x)    #creates linear model of data
quad.lm=lm(y~x + I(x^2))     #creates a quadratic model of data
ci=ciReg(y.lm)    #creates confidence intervals for betas of linear
     model
ciq=ciReg(quad.lm)      #creates confidence intervals for betas of
     quadratic model
sum=summary(y.lm)       #creates a summary of the linear model – this
     summary includes information on the residuals, coefficient point
     estimates and classical t-test info. For our purposes in this lab
     we will focus on the coefficient estimates which can be pulled by
     calling the object sum$coefficients and reading the Estimate
     column
sumq=summary(quad.lm)      #creates a summary of the quadratic model
     (same format as the linear model summary)
```