```
/*Q2.12*/

/* Test statistic value of hypothesis test for slope = -97.42
Test statistic value of confidence interval for F-test = 9490.75

Comparing test statistics' values:

(t-value)^2 = F_alpha(1, n-2)
(-97.42)^2 = 9490.67, which is approximately equal to the F(model) value of 9490.75

As shown above, squaring the t-value gives the F(model) value. This is why the F-test and t-test are the same
for simple linear regression of 1 independent variable. */
```