CSCI426/CSCI926 Software Testing and Analysis

Lab – Week 3

1. Read this article https://test.io/resources/blog/what-is-regression-testing about regression testing, and watch an example of how automated regression testing was conducted in practice https://youtu.be/wDpBDqOXRHc.

2. Answer the following questions:
   a. What is regression testing?
   b. Why is selecting a **subset** of regression test cases to be executed sometimes needed?
   c. Subsets of test cases can be selected according to any of several different criteria. An interesting property of some regression test selection criteria is that they do not exclude any test case that could possibly reveal a fault. How would you classify such a property according to the concepts of *safe*, *sound* and *complete* discussed in the lecture (lecture 2, slide 12)?