

**Tutorial/lab: introduction**

**Text book reading:**

**Software Engineering by Ian Sommerville, Chapter 1**

1. What are the four important attributes that all professional software should have? Suggest four other attributes that may sometimes be significant.
2. Develop your own answers to the five questions asked on the lecture note on "software development challenges". Discuss them with your fellow classmates.
3. What is the most important difference between generic software product development and custom software development? What might this mean in practice for users of generic software products?
4. Many modern applications require modification frequently (before they are presented to the end user and then after the first version has been put into use). Suggest a few ways to build software to stop deterioration due to change.
5. Discuss whether professional engineers should be certified in the same way as doctors or lawyers.
6. Using your own sentences, explain why software engineering is important.