

Software Engineering Principles

Tutorial

Answer the following questions [Where applicable, elaborate your answer up to 5-6 lines]

1. Differentiate between Software and Software Engineering. [For Software, you may wish to consider its definition, types, characteristics and examples. For Software Engineering, you may wish to consider its definition, scope, characteristics, activities, and examples]
2. What is the role of software engineers in society?
3. What are the main differences between generic products and bespoke systems?
4. Why is it important to have a disciplined approach to software engineering?
5. What are the differences between software and hardware engineering?
6. Why is it challenging to produce high-quality software?
7. What are the ethical principles that software engineers should adhere to?
8. What is the role of software metrics in software engineering?
9. What are some common reasons for software project failures?
10. How do economic factors influence software engineering?