

# 15 Lecture - CS101

## Important Subjective

1. **What is software engineering?**

**Answer:** Software engineering is a discipline that involves the development, design, testing, and maintenance of software systems.

2. **What are the phases of the software development process?**

**Answer:** The phases of the software development process include requirements gathering, design, implementation, testing, and maintenance.

3. **What are requirements gathering?**

**Answer:** Requirements gathering is the process of gathering information about what the software is supposed to do and what features it should have.

4. **What is software design?**

**Answer:** Software design is the process of defining the architecture of the software, identifying the components that make up the system, and defining the interactions between these components.

5. **What is software implementation?**

**Answer:** Software implementation is the process of writing the code that makes up the software system.

6. **What is software testing?**

**Answer:** Software testing is the process of verifying that the software system works as expected and meets all the requirements.

7. **What is software maintenance?**

**Answer:** Software maintenance is the process of making changes and updates to the software system over time.

8. **What are some important soft skills for software engineers?**

**Answer:** Some important soft skills for software engineers include communication, teamwork,

and problem-solving.

9. **What is project management in software engineering?**

**Answer:** Project management in software engineering involves planning, organizing, and controlling resources to achieve specific goals.

10. **What is quality assurance in software engineering?**

**Answer:** Quality assurance in software engineering involves ensuring that the software system meets the specified requirements and is free from defects.