

Name :adil hussain

Roll no:12084

Question1

How can we change the low-quality code into high quality code?

Use a Coding Standard.

Using a coding standard is one of the best ways to ensure high quality code. A coding standard makes sure everyone uses the right style. It improves consistency and readability of the codebase. This is key for lower complexity and higher quality.

Analyze Code Before Code Reviews Quality should be a priority from the very start of development

Code Has been well-documented.

Reliability

Reliability measures the probability that a system will run without failure over a specific period of operation. It relates to the number of defects and availability of the software.

Maintainability

Maintainability measures how easily software can be maintained. It relates to the size, consistency, structure, and complexity of the codebase. And ensuring maintainable source code relies on a number of factors, such as testability and understandability.

Testability

Testability measures how well the software supports testing efforts. It relies on how well you can control, observe, isolate, and automate testing, among other factors.

Reusability

Reusability measures whether existing assets such as code can be used again. Assets are more easily reused if they have characteristics such as modularity or loose coupling.