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Sub: Software Quality and Testing

What is CMM? and explain of 5 level.

Solution: CMM (Capability Maturity Model) is a process improvement model used to evaluate the maturity of an organization's software development process. It helps an organization understand how capable it is of producing high-quality software at low cost and guides it in improving its processes step by step.

There are five maturity levels in CMM

1. Level 1: Initial

2. Level 2: Repeatable

3. Level 3: Defined

4. Level 4: Managed

5. Level 5: Optimizing

Initial: processes are disorganized, even chaotic. Success is likely to depend on individual efforts and is not considered to be repeatable, because processes would not be sufficiently defined, and

2. Repeatable: basic project management tech. are established, and successes could be repeated, because the requisite processes would have been made established, define and documented.
3. Defined: an organization has developed its own standard software process through greater attention to documentation, standardization and integration.
4. Managed: an organization monitors and controls its own processes through data collection and analysis.
5. Optimizing: processes are constantly being improved through monitoring feedback from current processes and introducing innovation processes to better serve the organ. Particular needs.