**What is Agile Methodology?**

AGILE methodology is a practice that promotes **continuous iteration** of development and testing throughout the software development lifecycle of the project. Both development and testing activities are concurrent unlike the Waterfall model.

**Core values of agile software development:**

1. Individual and team interactions over processes and tools
2. Working software over comprehensive documentation
3. Customer collaboration over contract negotiation
4. Responding to change over following a plan.

**Methods in agile testing methodology:**

* Sacrum
* Crystal Methodologies
* DSDM (Dynamic Software Development method)
* FDD (Future Driven Development)
* Lean Software Development
* Extreme Programming (XP)

### Scrum

SCRUM is an agile development method which concentrates specifically on how to manage tasks within a team-based development environment. Basically, Scrum is derived from activity that occurs during a rugby match. Scrum believes in empowering the development team and advocates working in small teams (say- 7 to 9 members). It helps development team to focus on all aspects of the product like quality, performance, usability and so on.

There are three roles in these methodologies:

1. Scrum Master:

Master is responsible for setting up the team, sprint meeting and removes obstacles to progress

1. Product Owner:

The Product Owner creates product backlog, prioritizes the backlog and is responsible for the delivery of the functionality at each iteration

1. Scrum Team:

Team manages its own work and organizes the work to complete the sprint or cycle.

Product Backlog:

This is a repository where requirements are tracked with details on the no of requirements to be completed for each release. It should be maintained and prioritized by Product Owner, and it should be distributed to the scrum team. Team can also request for a new requirement addition or modification or deletion.