1. Describe what you understand by Scrum, and elaborate on some of its benefits in software development.

Scrum is a framework within which people can address complex adaptive problems, while productively and creatively delivering products of the highest possible value. it's a lightweight framework that helps people, teams and organizations generate value through adaptive solutions for complex problems. The goal of a scrum in software development is to perform at a high-performing level.

An overview of the Scrum Framework

* The product owner creates a product backlog (essentially, a Wish list of tasks that need to be prioritized in a project)
* The Scrum team conducts a sprint planning session where the tasks necessary to complete items on the wish list is broken down into small, more easily manageable chunks
* The team creates a sprint backlog and plans its implementation
* The team decides a time duration for every sprint (the most common intervals is probably two weeks)
* The team gets together every day for a brief Scrum meeting (often referred to as a Daily Stand-up) where each member of the team shares daily updates, helping the team and the project manager assess the progress of the project
* The certified Scrum Master guides the team and keeps them focused and motivated
* The stakeholders and the product owner conduct a review at the end of each sprint

2. From the Agile Manifesto, complete the following:

* **Individuals and interactions** over processes and tools
* **Working software** over comprehensive documentation
* **Customer collaboration** over contract negotiation
* **Responding to change** over following a plan