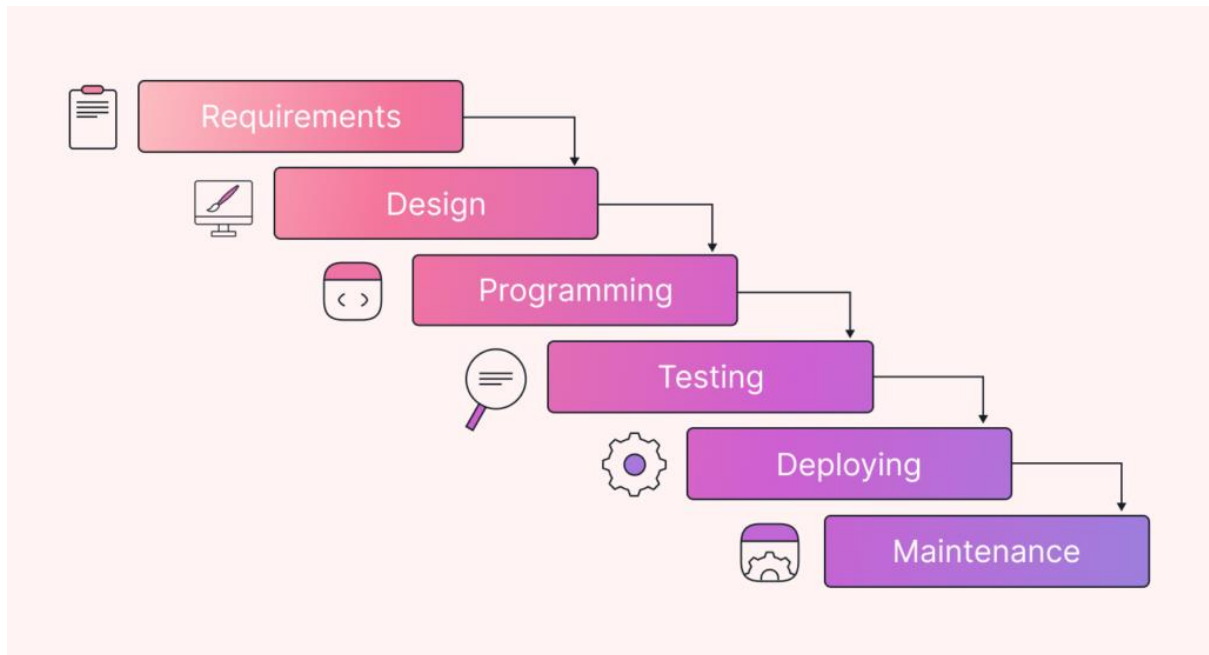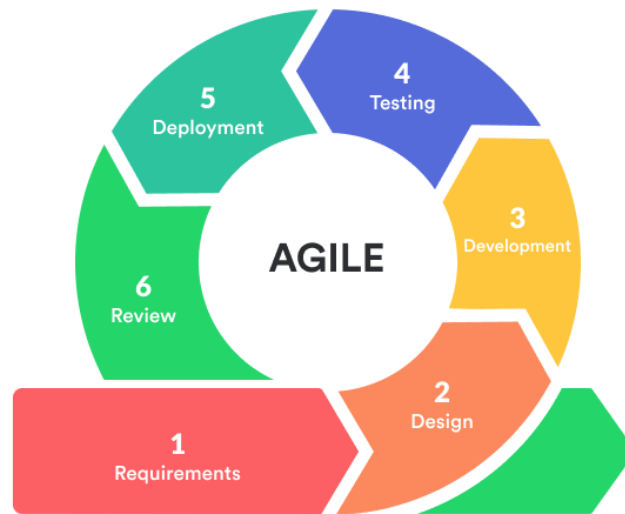# 1.WATERFALL MODEL:

- A linear and sequential software development model.
- Each phase (Planning → Requirements → Design → Implementation → Testing → Deployment → Maintenance) is completed one at a time, in order.
- No going back to a previous phase once it's completed.
- Best for well-defined projects with clear, unchanging requirements.

Key Features:

- Simple and easy to manage.
- Suitable for small projects with fixed scope.
- Difficult to handle changes once development starts.

2.AGILE MODEL:

- The Agile model is a project management methodology that emphasizes flexibility, collaboration, and iterative development.
- An iterative and incremental model.
- Development is done in small cycles (sprints), typically 1–4 weeks.
- Continuous feedback and collaboration with stakeholders.
- Allows for frequent changes and quick delivery of working software.

Key Features:

- Flexible and adaptive to changes.
- Encourages customer involvement.
- Suitable for complex and evolving projects.