

Assignment - 01

Ans. To The Q. No.1

Comparison between Agile and DevOps

Agile	DevOps
1) A method of software development under which solve through the collab of self-organize effort and their customers.	1) A software engineering practice that aims at unifying software development and software operation.
2) Gets feedback from the customer	2) Gets feedback from customers as well as from the internal team
3) Emphasizes more on automation.	3) Uses more open sources to reduce workload.
4) Involves small terms	4) Involves large terms.

5) Minimize the gap between customer needs and development and testing teams.

6) Communication is very important.

7) Tools used JIRA, Bugzilla, Kanboard.

5) Minimize the gap between development, testing and operation teams.

6) Communication is not that important.

7) Tools used Kubernetes, Git, Jenkins, Nagios.

Ans. To The Q. No. 2

Two most used and popular DevOps tools:

- 1) Git: It is one of the most popular DevOps tools of all time, widely used across the software industry. Git allows us to track the progress of our development work. We can save different versions of source code and return to a previous version if necessary. Git's cloud hosting services GitHub and Bitbucket are now widely popular. It is an open source software. We can collab with other ~~thp~~ by git.

2) Jenkins: An open-source ~~code~~ continuous integration server, it automates the complete build cycle of a software project. The main reason for Jenkins popularity is its huge plugin ecosystem. Currently, it offers over 1,000 plugins. With it, we can iterate and deploy new code as quick as possible. Plus, it runs out of the box on Windows, Mac OS and Linux.