

Assignment 2

Date.....

Q1 why is DevOps a major requirement in Today's scenario.
Ans As we know that DevOps is ~~inherently~~ ^{inherently} linked by SDLC models. As 3 developers & users faced many problem in SDLC models so rise the development of DevOps.

DevOps is required as both development & operational team work together and enables faster development of new products & easier maintenance of existing deployments. DevOps is not a technology but it is a methodology that covers everything from the ~~opera~~ organisation to culture, processes & tooling. Initial steps usually include continuous integration & continuous delivery, real time monitoring, incident response systems & collaboration platforms.

Q2 Explain all the DevOps tools in details.

DevOps tooling ecosystem.

Planning, coding, building, testing, deployment, operations, team management & CD

(L) Planning & tooling tools for DevOps:-

→ (a) Git = fully distributed that keeps track of different software versions.

(b) Jira = S/W projects & S/W product development.

(c) Subversion = ~~Apach~~ Apache License

Build Tools

(a) Maven = config build

(b) Gradle =

Testing tools

↳ TDD

→ JUnit, unit testing

→ Selenium = Test automation language