

Date.....

Assignment 2

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.

deeps tooling ecosystem.

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

(2) Planning & coding tools for Repro:-

- (c) Grit = fully distributed that keeps track of different software versions.

(b) Jiva = s/w projects & s/w product development.

(e) Subversion ~~is~~ Apache License

Build Tools

(9) $\text{Maven} = \text{confi build}$

(n) Cradle =

Testing tools

LTD

→ Junit, unit testing

→ Selenium = Test automation language