

Q1 (a)

Dev Ops

DevOps refer to a mindset of software teams to deliver a product through integration, collaboration and communication between development and operations team.

Benefits :-

1. Fast Time to Market :-

Due to rapid and frequent merging of code and features the product is delivered at a faster rate through "continuous/incremental improvement".

2. Automated Testing Improves Reliability:-

Automated testing at each step ensures the quality of code is reliable and increase the chance of "early bug detection".

3- End to End Product Responsibility / Ownership :-

Due to devops cycle both the developers and operations team are tightly integrated and have a higher sense / level of ownership towards the product.

4- Eliminating Manual Tasks

Manual tasks of building, and deployment are automated increasing the efficiency of the team by eliminating "repetitive tasks".

5- Prevent Large scale issues at Production.

Since some features are developed and deployed. dev team get idea of the problems and improve existing process.

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6- Feedback loops.

Monitoring team and users are a source of continuous feedback improving the UX.