**DEVOPS INTERVIEW QUESTIONS**

**DAY 2**

1. **Why DevOps?**

DevOps helps in improved collaboration and communication between or within teams to achieve or accelerate faster software delivery and to increase reliability through automation. It also helps in reduction of time, and error through automation.

1. **What is DevOps Culture?**

* The DevOps culture is meant as CALMS framework which covers all stakeholders within devops, including business, IT operations, QA teams, InfoSec teams and development teams.
* The CALMS stands for collaboration, Automation, Lean, Measurement and Sharing.
* Collaboration is the fundamental part of DevOps Culture, if any tool or automation is useless or development and operation teams do not work together, it helps to analyse and solve problems between the professions of both the teams.
* Automation is the concept of increasing the speed of delivery by allowing simpler jobs to be done automatically. It helps eliminate manual and repetitive tasks.
* Lean is the concept of reducing time and manual efforts.
* Measurement is the concept of focusing on certain metrics. It measures the deployment frequency, number of times the code deployed, checks the environment stability and code, identifies the percentage of error and lead time to change from creation to production, etc..
* Sharing is the concept of transferring or sharing the knowledge during the entire process to conclude the project successfully.

1. **How DevOps reduced time and increased delivery speed?**

DevOps reduces time and increases delivery speed by automating repetitive tasks, streamlining the build-test-deploy cycle through Continuous Integration/Continuous Delivery (CI/CD) pipelines, improving communication and collaboration between development and operations teams. This automation minimizes manual errors, speeds up releases, and allows teams to quickly get features to users and respond to feedback.