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DevOps (DAY 1)

1. What is DevOps?

- Culture that improves the organization's ability to deliver the applications.

DevOps



CI/CD (Continuous Integration/Continuous Deployment)

- Improving Delivery
 - Automation
 - Quality
 - Monitoring: If there is a fault in automation/quality, they need to report it.
 - Testing
- ❖ Finally, **DevOps** is the process of improving the **application delivery** by ensuring that there is proper **automation** and the **quality** is in place. You have ensured that you have set up proper **continuous monitoring**, and you have ensured that you have **continuous testing**, so this is the definition of **DevOps**.

2. Why DevOps? Or it could be, Why should I hire you? (In interview)



- The end goal for the developer would be delivering the perfect application.
 - When DevOps was not in use then, everything like developing code, testing, creating, uploading, and pre-production went to different servers.
 - The below roles are in use and all are working together as the end goal is to deliver the application
 - **System admin**: create the server (to test the code live at the server, e.g. VMware, OpenStack, Xen)
 - **Server admin**: create the app server in the main server designed by the system admin
 - **BRE (Build & Release Engineer)**: Deploy the application to the created server where the app server is needed
 - This entire process is manual and time-consuming, thus DevOps was introduced to automate the process (to improve the process of delivery)
- ### 3. How do you introduce yourself in an interview?
- Working as a DevOps Engineer from [time since working] (*for experienced persons*)
 - Before working as [role] (*for experienced persons*)
 - Explain Roles & Responsibilities with tools and technologies if required
 - I started working as a DevOps engineer, was passionate about, etc. (*for freshers*)