

## DevOps →

\* Software development process -

1. Programming
2. Testing
3. Operations

## \* Development Vs Operations (Traditional)

- Operations team responsible for application deployment with no downtime and can handle huge traffic.
- Dev & operations have diff. responsibilities, technical knowledge, tools
- Developers require knowledge of
  - Programming languages
  - Testing frameworks
  - Databases
  - Version control
- operations require knowledge about
  - Operating system, mostly Linux
  - Command line
  - Scripting
  - Monitoring tools
- yet communication is important between developers & operations.
- Dev team prepares/document instructions to share required configurations, environment variables, folder paths, etc. etc.
- Share application package, along with instruction document to ops team
- Ops team tries to follow instructions to configure application, build env, etc. but mostly it doesn't work because of missing or unclear instructions which leads to delayed release of the software.

## • DEVOPS culture → - Rise of Devops culture :

- miscommunication problem or to improve communication between dev & ops team, just a way of working between Dev's & ops for common language to communicate.
- Became its own role and job - many new concepts and tools

## • Devops tasks and responsibilities →

- Technical know-how from Dev & ops team.
- Additional Devops skills & know-how
- building CI/CD pipelines, Docker, Kubernetes and other tools.