

# What is CI/CD ?

Continuous Integration and Continuous Deployment. Which Help us create a Pipeline to maintain our project workflow.

# Benefits of CI/CD in Technical ?

- 1 - Catch Compile Errors After Merge
- 2 - Catch Unit Test Failures
- 3 - Detect Security Vulnerabilities
- 4 - Automate Infrastructure Creation
- 5 - Automate Infrastructure Cleanup
- 6 - Faster and More Frequent Production Deployments
- 7 - Deploy to Production Without Manual Checks
- 8 - Automated Smoke Tests
- 9 - Automated Rollback Triggered by Job Failure

# Benefits of CI/CD In Business ?

- 1 - Less developer time on issues from new developer code
- 2 - Less bugs in production and less time in testing
- 3 - Prevent embarrassing or costly security holes
- 4 - Less human error, Faster deployments
- 5 - Less infrastructure costs from unused resources
- 6 - New value-generating features released more quickly
- 7 - Less time to market
- 8 - Reduced downtime from a deploy-related crash or major bug
- 9 - Quick undo to return production to working state

# CI/CD Value from Technical and business:-

- 1 - Reduce Cost
- 2 - Avoid Cost
- 3 - Reduce Cost
- 4 - Increase Revenue
- 5 - Protect Revenue