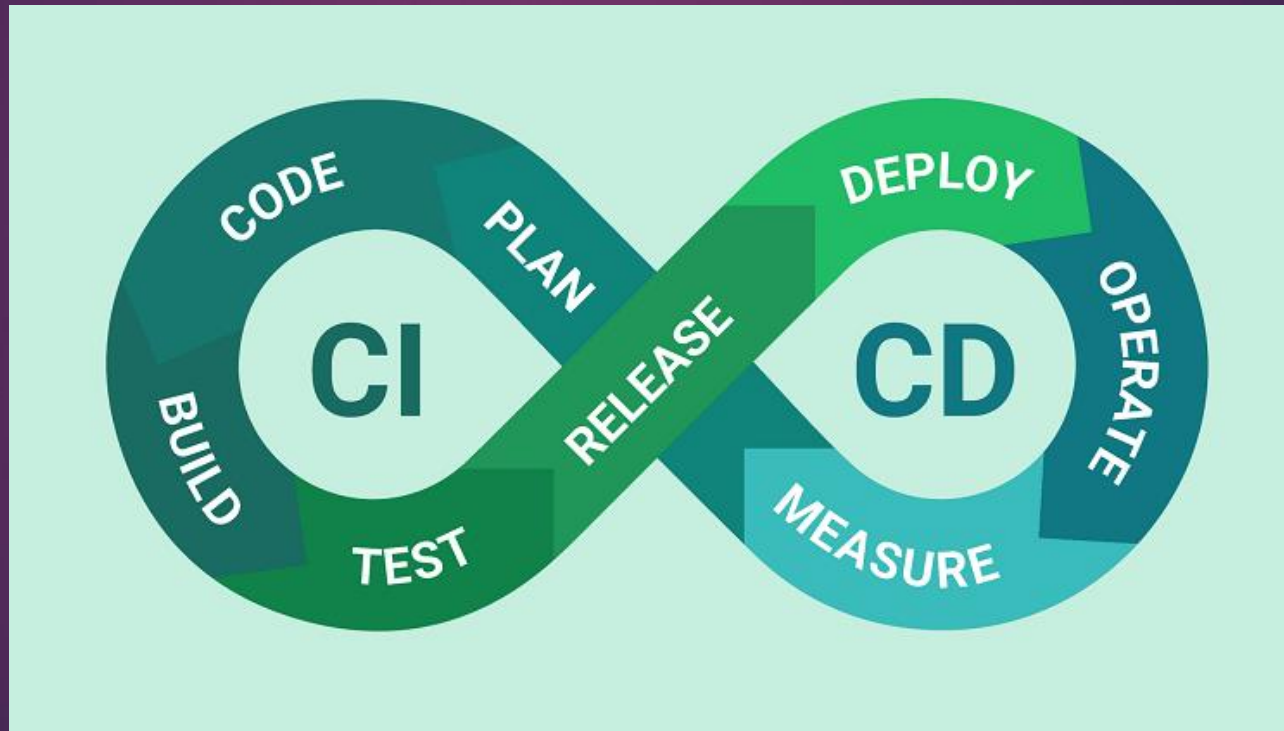




# Fundamentals and Benefits of CI/CD

# What is CI/CD?



# Continuous integration

THIS IS ALL ABOUT THE SOURCE CODE

- Compile
- Transpile
- Lint
- Unit tests
- Static Code Analysis
- Dependency Security

# Continuous Deployment

THIS IS ALL ABOUT BUILT CODE AND DEPLOYMENT

- Create infrastructure
- Provision
- Deploy
- Smoke tests
- Rollback
- Promotion

# Why CI/CD?

1. Increase revenue
  - New value-generating features released more quickly
  - Less time to market
2. Decrease costs
  - Less human error
  - Faster deployment
  - Mean time to resolution shorter
3. Increase productivity
  - Routine processes are now automated
4. Lower risk
  - Faults are now faster and easier to be detected