CI/CD
For a more efficient
Way to ship products

Continuous Integration(CI)

- Continuous integration is a practice where developers regularly merge their code changes into a central repository, after which automated builds and tests are run.

- By using CI we could improve productivity, find bugs quickly and deliver updates faster

- CI consists of many phases to ensure reliable shipment of the product like: building, testing and checking for package vulnerability

Continuous Deployment(CD)

- Continuous deployment is a strategy in software development where code is deployed automatically to production

- By using CD we could improve productivity by automating deployments

- CD consists of many phases to ensure reliable shipment of the product to production like: setting up the code to production, testing deployed code and rollback if somtheing wrong happened

Benefits of CI/CD to workflow and business value

- Automated deployments which will avoid human error and also be fast and this will reflect in cash by increasing revenue
- Automated unit tests which will help find bugs in the logic of the new code which lead to avoiding cost
- Smoke tests which will reduce downtime from a deploy-related crash or major bug which will protect Revenue
- Automated Rollbacks if something went wrong which will save time and avoid shipment of broken code
- All of these benefits will help in faster delivery thus increasing productivity which will lead in more revenue

Benefits of CI/CD

- Automated deployments which will avoid human error and also be fast
- Automated unit tests which will help find bugs in the logic of the new code
- Smoke tests which will help find if anything went wrong with our new deployment
- Automated Rollbacks if something went wrong which will save time and avoid shipment of broken code
- All of these benefits will help in faster delivery thus increasing productivity which will lead in more revenue