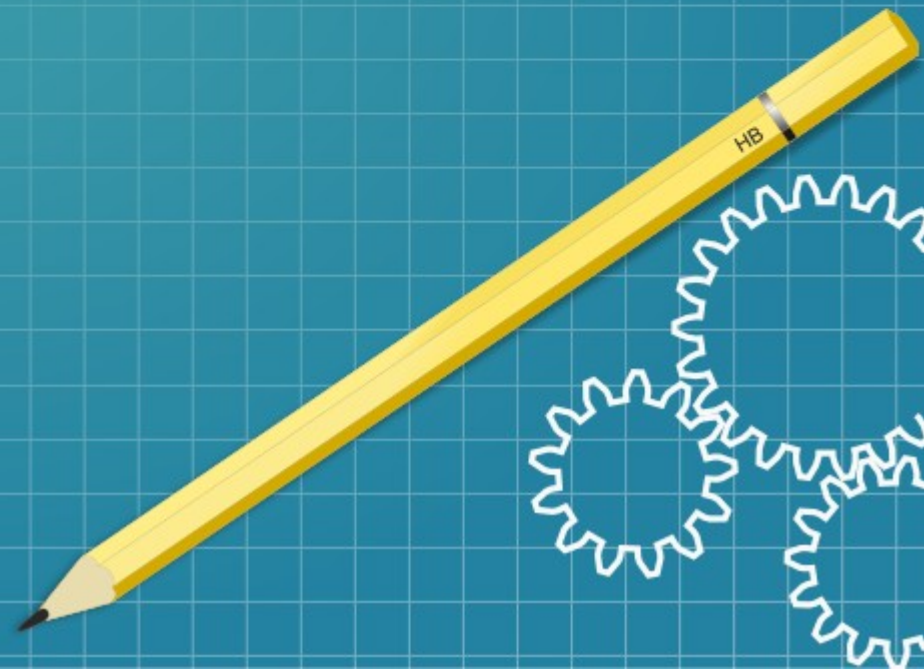# CI/CD

What is CI/CD?

- Continuous integration (CI) and continuous delivery (CD) are the processes that are used to build, package, and deploy applications.

- it lays out some practices to follow in order for the code to more quickly and safely get to the users and ultimately generate value.

Why CI/CD Matters

- It helps get continuous feedback not only from customers but also from our own team.

- It can also lead to big advantages. Some of the notable benefits of implementing CI/CD pipelines to your everyday software development process are:

1- Reduce costs

- Using automation in the CI/CD pipeline helps reduce the number of errors that can take place in the many repetitive steps of CI and CD.

2- Faster release rate

- Failures are detected faster and as such, can be repaired faster, leading to increasing release rates.

3- Fault isolations

- Designing your system with CI/CD ensures that fault isolations are faster to detect and easier to implement.

Conclusion

- DevOps has brought with it the rise of CI/CD.

- And with the use of CI/CD we can reduce the cost, shorten software development and delivery cycle time which lead to more income.