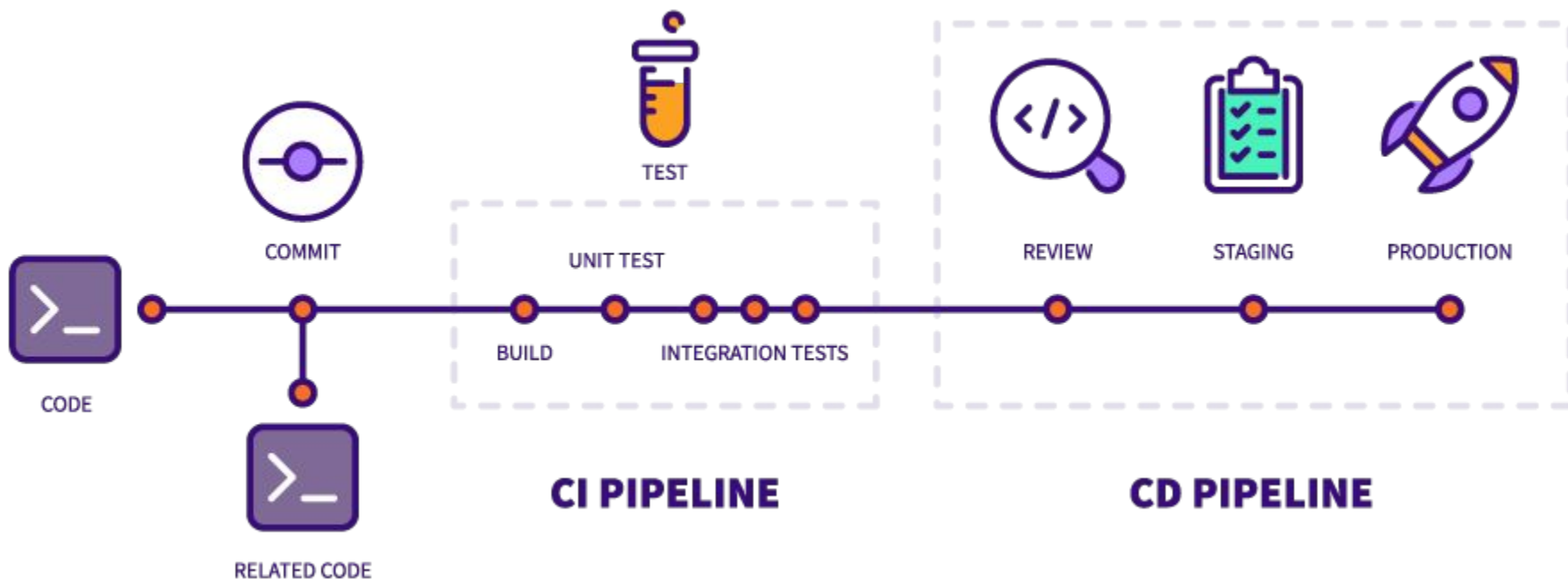# Udapeople CI/CD

Saving Time and Money

CI and CD

- **Continuous integration(CI):** Continuous integration is a DevOps software development practice where developers regularly merge their code changes into a central repository, after which automated builds and tests are run.

- **Continuous Deployment(CD):** Continuous deployment is a strategy for software releases wherein any code commit that passes the automated testing phase is automatically released into the production environment, making changes that are visible to the software's users.

What is CI/CD?

Current procedures vs CI/CD update

	Current	CI/CD
CI Pipeline	Up to 45 minutes	Less than 10 minutes
CD Pipeline	Up to 60 minutes	Less than 15 minutes
Total	Up to 105 minutes	Less than 25 minutes

Decrease time to deploy by
%75

Benefits of CI/CD

- Speed
- Reliability
- Scalability
- Less Error-prone(Reduce human error)
- Help team collaboration