EATASHSHABADE THADOMAL SHAHANI TEITY 2201090 . Experiment No: - 01 Aim: To understand Devops: - principle practice and Devops Engineer vole and responsibility What is Devops 9 Decept is a wighorative approch where team work together to build and deliver secure software efficiently of combines. software development (DW) and operation (ops) to deviced how to accelerate de livery through automation collaboration fart feedback and iterative improvment Core Principle!-1. Develop and test in productive-like environments. 2 Deploy builds Frequently 2 Deploy builds trequently 3. Continuosly validate operational quality. Devops practices Continow L Developments Plognes operate & Integration Continous Build monitor Continou Integration Continow Monitor

Continuous Development 1

This is the phase that involves planning and verseting and managing build of the Software applications functionality.

For Crit, Chithub, Maven etc.

Continous testing! Continous testing is executing automa,
test test and the various deployment.
environments

Er Bomboo appium.

Continous Integration!.

Continous Integration refers to huid and unit testing Stages of the soft ware refers process every revision that is comitted thiggers an automated huid the test-

Continou delivary and deployment :
Continou delivary and deployment

originates from continous integration

a method to develop build and tot

new code rapidly with automation

Infrastructure management!

without automation building and.

maintaining large scale moorden system

can be a source intensive undertaking

and on lead to in crewe misle to



to manual setup. Configuration Managment!. Intrastructure a q. codisthe inf practice of describing all software notime environment and networking Setting and parameter in simple textual homatting can be stored Cloud Bared Devops! -Devops automation is becoming cloud centric most public and private cloud computing provides support devops system atically an their platform including con inow integration and continous develop ment tools. eg: Aws, Amazon lamda, Choogle cloud etc. Devops engineer Poles.

A Devops engineer manager a company of infrastructure, development and operation lay responsibilities in cluding 1.

-Technical responsibility

11) Build & maintain alw pipelines 10) Sequents implementation & monting Managment Responsibility. planteam stancture & activity Mange Stalce holder Mentor team member Co-ordinate team communication