Experiment 1

4	
	dim: To understand Devops, principles, mactices & Deulps
	soles & responsibilitées.
	Theory:
	Theory: Definition:
	· Devops is the combination of a words, one is Develop-
	ment & the other is operations. Its a culture to
	promote the development & operation moder
	expectively.
	Devops helps to increase organisation speed to
	deliver applications à services. It also allors organ-
	isations to serve their customers better a compete
-	more strongly ur the market.
	· Deubps can also be défined as a sequence
	of development & II operations queta beole
3.	communication & Maboration.
1	· Deurops has been one of the most valuable
5-	busines desciplines por enterprises/organisation
	and the second of the second of
	and the second s
	of the manual of
	Plan preare Desloy
	Build) Monitor Operate



Build: mismont devolps, sur cost of the commemphism
resources was evaluated 6 axed on sur pre-distributed wage misser fined hardware
enclinidual wage misser since hardware
allocation. And twish Devolps, one wage of cloud,
sharing of resources comes into the picture, a
the build is dependent upon the weer's new
survice's a mechanism to control the wag
of resources or capacity.

Code: Many good practices succe as lit enables the code to be used; wellich ensures metritive que code for business, helps to track changes, getting notifical about the reason becaused see different in the actual and the expected subject and if necessary reverting to the original sode developed Jest: The application will be

Jest: Flue application will be ready for production after terring. In the care of manual terring, it consumes more time in terring and mousing the code to the output. Flue terring can be automated which decreases the time for terring the terring to the production can be reclused as automating the guery the code of production can be reclused as automating the running of the scripts will remove making manual steps.

Plan: Devops use Agile methodology to plan the development development in organising the development peam in synt, it helps in organising the out to plan accordingly to increase purductivity.



5. Monitor: Continuous monitoring is used to identify any six & failure. Dlso, it helps in tracking the system accurately so that the health of the application can be elected. The mornihoring beromes more comfortable mith services envires envires the log data may get monitored through many 3rd party bols such as Splunk. 6. Deploy: namy systems can support the geneduler for automated deployment. The cloud management platform enables users to capture accurate insignes & view the orbinization scenario, analytics on Herelo by the deployment dastiboards. 7. Operate: Devops dranges the traditional approach of developing & testing separately. Fere teams operate un a collaborative way where bothe the teams actively participate surguout the service lifecycle. 8. Release: Deployment to an environment can be done by automation. But when the deployment made to sue production environment, it is done by manual triggering. Principles: · collaboration · data-based decision making o unhomer-centric decision making

· unitant improvement



o responsibility throughout the lifecycle. · failure a a learning opportunity. Advantages. · Devops is an excellent approach for quick develop ment & deployment of applications . It responds faster to the market changes to Derops escalate business protit by decreaning coffware delinery time & transportation works. · Devops clear the discriptive process, milian gives clarify on product development a delling . It improves austroner experience à sabisfaction Disadvantages: Dempe professional/enperter developers are les Developing eviter Devops is so expensive.

adopting new Devops tere into the inclustrics
is read to manage in a snort time. conclusion: fience, ene have known what Devope