Devops Assignment no.2
D why a Dusp's a myou suguinement in today's sconacio!
In a nutshell the pergs model allows tomponies to
ounte viable application and projecomnes within a much
should time from thus accelerating the greed of innaction
It is a major accomment because its a oftware durly,
and operational approach that master factor development
It is a major acequirement because its a oftware durly, and operational approach that enables fater durlyment of rew products I easy maintainence of Evising dy leymonts.
Some Important benefite of devogs as a vegaer meganin
ment:
* Juliu solution.
* Thereared efficiency
* Improved lustomer Especience
* tustur RO !
1 Improved performance.
a Continuous improvements
Reduce filmes & foll bock.
-> Crenatur Stability of 17 Software applications.
as it beings vanious departmente such as IT, product
Engreening, by susecurity, Operation & more & white ther
Engineering, by busecurity, Operations I more a unit there common objectives of actively becomes trayets.
In the appearent the so twale a son as a root.
to implove ouganizational efficiency and sceedily
In this apparech the software is been as a book. To implious ouganizational efficiency and sceedity by automating surreal key pleasures.

2)	Ephin all Der Ops took in deterile;
>	Since no limple tool work accounts of areas of
	duelopment Ettelinery. The need is to fiet wider-
	stand the person end a coordingly map and took to be
	Since no limple tool work accounts of areas of development Itlelinery. The need is to first wider-stand the person and a coordingly map the tool to be secretly establish dwops willare in deganization
i)	Jenkins: - an Excellent duraps automation tool
	being adopted by inversed number or open source
	Jenkins: — an Excellent duraps automation tool being adopted by inversed number on Open source (ILD server that helps in automating the different stages of delinery pipelines
	Allans de to set up and austomise CA pipeline as
	NIU moundial with.
*	luns on times, windows 2 Mac Os.
٥	Luns en l'rus ; windows 2 Mac OS. Tenkins allowe you to etetate & deploy hero cade with
	queetre speed.
<u></u>	biit;
	midely used across software industries, Git is on
	distributed SCH (Savu lode management Durps
	tool it allows you to easily treak the progress of your duelopment work, where you can some different beneforment of source which and return to premous one as
	duelopment work, while god an said different become
	of source tode and settleth to premass
	when everywied.
(20	A fue rofer sault 1000 total suggested commit
	A fun & open Sawen bool that supports most of the numbers Control pralions of check-in, menging, labels, commit,
	buanent ac.
1	
-7	Requires a hosted reposting such as githubs ay

a laser to have a maintain with separate beaucher of source -code that can be merged through git. Hagios: One of the most popular feel & open - source for the Open for your for open for your for open for your infrastructure receal time so that identifying security threats detection of outages & every become teasir.

* facilities has wrethods of some mome toring.

I agent based on agentless. apps ou well. apps on well. fere open source suith various adds on averlible 1) Najor bu - Command Line tool
2) Major XI - web based GUT. 3) log seemer -> searches log data with automatic alent.
4) Pagies fusion -> for cimeltoneous multiple network maribuin it is one of the widely used development tool of Dev Ops & is known to provide platform independent. Interpreted cointains servicing & apple operations for cloud-nature & legacy applications. Docker lønlain support Virtual machine Environent k com platform independent.

Swild-in support for docker available for both E) Kuburnetis: ideal for large ham, this Dringe tool

15 benit on what docker started in the field of
Cointainanization it is a powerful tool that can group
corntainer by logical Cat principalion.

9t can be diployed to multiple competer through automated
die try bution. e Exterently useful in the stream timing complex projects acress large teams. Ansible: it is prinitally a design management and organization Deops tool. it is written in simple programming language. PAMC it makes easier for Devolution to stale the process of automation to stale the process of automation to speed up - productivity. Lossed on master slow Auchitection.

* Lossed on master slow Auchitection.

* if is an ideal Devlps tool to manage lamples deplayment.

Lespend up the purposes of development. (antiguestians bit is helpful automating the infragion.

(antiguestians bit is helpful automating the infragion.

(antimously. of chief automates the whole quours and make seen that the systems are convertly configured.

The systems are convertly configured.

Of the helps you enjury that the configuration policies remains competely flexible herolable & textaly. Continiously

8) Ruppel: "It is an open source configurations management for that is used for diploying, configuring & managing surrous. *) offine master - slave anditective.

* Puppets work emostly for hybrid infer. & application.

*) tempolible with linux, windowe & UN xx Os. a) John it is designed to make machine date usable as well as acceptable to encuyous by delivering operational intelligence to bulps hearn.

The is on Excellent choice of tool that make componies muce secure productive to compelitive. splunk deluin a man Central & collection view of 17 runices.

Easily delads pattern, highlights cano makin and ama spendants. of impact. (10) breedle an Extremely Nersatile Devope tool, breedle allows you to write your code in various bruguege including ctt , gound, python among others. it is supported by various IDE's such as not beaut Elipse & Intelli I IDEA.

The love model of gradle a band in tasks action inputs 2 outputs a substancial amount of compile time you to save