Agile and Derops 20R21A12F8 N. pankaj kumar Assignment -03 development and 1. Boplain the impoortance of Cohaboration between Operations teams in the context of severys?

Conabaration between severyment and operations teams is a fundamendal Porinciple of Lerops, and it plays a crucial orde in achieving the goals and benefits of this approach. Devops is a set of possibles and cultivaral philosophies that aim to Streamline and automate the Software derivery powers, improving the spead, efficiently and areality of software development and deployment there's why 1. Paster software Delivery: - conaboontion Etreamlines Communication between development and operations, enabling faster and more expirited square development and deployment. This is essential in todays competitive warred where speed to market can be a significant 2. Reduced Silos and Bottenews: Toradionary, Levelopment and operations feams worked in Esolution, which often led to siss and totherecks Per the Software Delivery Process. Consboration bereats down these barriers, Oreating a smoother, more continous cronkproco 3) Proported Quality and Exhibity - 13y working together Est Hame can better understand each others needs and constraints, This leads to better festing, early issue identification, and withmakey, a more Ruble and higher anality software product. 4) Automation and Repriciency: anaborative teams are more likely to emborate automation and 100 Perachices. These fechnologies are automation and significantly enhance expriency and at the heart of clerops and significantly enhance expriency and Considery in Software delivery.

S) procentive issue resolution: Conabaration here in identitying issues and overestimities early in the development process. This proceding approach to issue presonation reduces the chances of unexpected. Outages and disourptions in poroduction environments.

6) Shared responsibility: - Devops encoorages a shored responsibility Model Where Born development and operations teams own the entire Software delivery lipenyelle. This control of shared ownership. 9) continous treel boux loop: Conabouration establishes an outinous beellaux loop.

- 2. Utilize the measurement plicar to implement a continous monitoring System for an e-commercie pletform. Hat metrics cooling monitor and how would you use the later for Broadine
- To Penpiement a continos monitoring System for an e-commerce Phothorn cottuin the Aus wen-Forchitectel foramewaters measurement Pincol, monitors these key metrics-
 - 1. Portoonmance 1- Trace response time, ledency, and thoroughput to optimize system performance.
 - 2. Pouron modes: monton how emoir coller and application spectic.

 errors par prompt issue mesonation.
 - 3 seconity! water for authentication batures, consultratized acces Later areas partions, and non Winerality seans do prevent and mitigate sewrity tweeds.

4. Resource ch'hizah'on 1- keep an eye on cpo, marrory and dix usage to optimize resource anaeshon and scaling.

Visitors, Rage views, and conversion trates to enhance the oser experience and marketing Strategies.

- 6) Cost metrics i track and por transculor and fotal cost of annership to optimise supposes allocation C
- 21 Inventory and configuration: maintain response inventory and frank
 Configuration unanges to answer consistency and poevert unantharized.

 M. Diventor
- Boriefy lesouble the concept of Shift-left in Devops and its
 Empart on software development.
 - Shift-left in Devops Siebois to the proudice of moving cordering activities and tasks econtern in the Software development life activities and tasks econtern in the Software development life activities and tasks bringing porocesses traditionally performed lades and the development cycle closes to the initial phases, Such as in the development cycle closes to the initial phases, Such as design and cooling. The main goals and impacts of shifting left
 - 1) Every Detection of issues: Try moving testing, sewrity and availity and assurance activities earlier in the processes, teams (an identity and assurance activities earlier in the processes, teams (an identity and albresses issues at a stage when they are less costly and albresses issues at a stage when they are less costly and albresses tissues the likethood of critical depeter time-consuming to fix. This reduces the likethood of critical depeter.
 - 2) Imporaved conaboration! shifting left Oncoonages conaboration between Development, testing, and operations teams.
 - 3) Faster Redback bop! Early Coting and Vilidedion provider Trapid to feedback to developers, enabling trans to make immediate coveredous.

u. Cost reduction . By Caditing and fixing issues earlied in the Torouss organizations can avoid the expenses associated with tresolving deputs and volveradointies in production. This tresolt in cost savings and more efficient use of tresolvings.

S. enhanced searty: Shifting searily Brachies left means that searily reasoness and whiterability assessments are integrated into the means and whiterability assessments are integrated into the development Process from the Start.

Consistency and porediability: - Shifting left poremotes a moore to consistency and porediability: - Shifting left poremotes a moore for consistency and porediability: - Shifting left poremotes a moore allowed process, an issue are allowed to process. This treduces the impossibility and retrooper associated with lake-steep Poroblem discovery.