**AIOPS Assignment 1**

**1. What is AI-ops?**

AIOps combines big data and machine learning to automate IT operations processes, including event correlation, anomaly detection and causality determination.

**2. Why do we use Ai-ops?**

AIOps makes complex automated decisions by collecting and analyzing data. By leveraging this data, it can predict probable future events that may impact availability and performance and even proactively remediate those before they become an issue.

**3. What is the difference between AI-ops and ML-ops?**

AIOps is a way to automate the system with the help of ML and Big Data, MLOps is a way to standardize the process of deploying ML systems and filling the gaps between teams, to give all project stakeholders more clarity.

**4. What do you mean by CI-CD?**

CI/CD is a method to frequently deliver apps to customers by introducing automation into the stages of app development. The main concepts attributed to CI/CD are continuous integration, continuous delivery, and continuous deployment.

**5. What do you mean by Bash?**

While Bash is famous for being the go-to CLI shell in Mac and Linux, Windows uses Command Prompt and PowerShell .

**6. What do you mean by kernels? Explain the functions of kernels.**

Kernel is central component of an operating system that manages operations of computer and hardware. It basically manages operations of memory and CPU time. It is core component of an operating system.

**7. What are the essential elements or components of Linux?**

Every OS has component parts, and the Linux OS also has the following components parts:

Bootloader. Your computer needs to go through a startup sequence called booting. ...

OS Kernel. ...

Background services. ...

OS Shell. ...

Graphics server. ...

Desktop environment. ...

Applications