AI-OPS

Assignment-1

1. What is AI-ops?
   It is an extension from devops. It is a methodology used to automate the AI/ML systems and to monitor, analyze complex streaming data in real data.

2. Why do we use Ai-ops?
   We use Ai-ops to automate a system, reduce efforts and time , focus on new ideas or innovation and for research, to control complexity.

3. What is the difference between AI-ops and ML-ops?
   AI-OPS is a way to automate a system with the help of ML and Big-Data.
   ML-OPS is a way to standardize the process of deploying ML models.

4. What do you mean by CI-CD?
   CI (Continuous Integration) used to test the models continuously.
   CD (Continuous Delivery and Deployment) which automates to release into repository and deploy into production.

5. What do you mean by Bash?
   It is one type of a shell which provides interface to the Linux system, developed by Brain Fox in 1989.

6. What do you mean by kernels? Explain the functions of kernels.
   It is the main component of the Linux system which acts as an interface between computers hardware and its processes.
   Functions of Kernels:
   - Process Management
   - Memory Management
   - Input and output Management
   - Device Management
   - System call control

7. What are the essential elements or components of Linux?
   Components Of Kernel:
   1. Bootloader
   2. Kernel
   3. Init system
   4. Daemons
   5. Graphical Server
   6. Desktop Environment