**Study-2023**

**Kubernates:-**

Kubernetes automates operational tasks of container management and includes built-in commands for deploying applications, rolling out changes to your applications, scaling your applications up and down to fit changing needs, monitoring your applications, and more—making it easier to manage applications

Why do we use Kubernetes?

Ans :-

Kubernetes services provide load balancing and simplify container management on multiple hosts. They make it easy for an enterprise's apps to have greater scalability and be flexible, portable and more productive. In fact, Kubernetes is the fastest growing project in the history of open-source software, after Linux.

When Kubernetes should be used?

Ans :-

Modern Applications or For Transition to Modern Architecture: If your legacy application is being shifted to microservices architecture or you are developing an app that follows the microservices architecture, Kubernetes should be your preferred choice.

What is the basic of Docker and Kubernetes?

Ans :-

Docker is a platform for packaging, deploying, and running applications in containers. Kubernetes is a system for managing containerized applications across a cluster of nodes. It provides basic mechanisms for deployment, maintenance, and scaling of applications.