**3-tier web application deployment in cloud**

**Introduction:**

Deployment refers to the process of making a software application or system available for use in a particular environment. This involves taking the code, configuration files, and other necessary components of the application and installing them on the target system, which can be a physical server, a cloud-based virtual machine, or a mobile device.

The 3-tier architecture is a software design pattern that separates an application into three interconnected layers or tiers: the presentation layer, the application logic layer, and the data storage layer.

1. Presentation Layer: This layer is responsible for presenting the application's user interface to the user. It typically consists of the user interface (UI) components, such as web pages, forms, or mobile app screens, and the code that handles user interactions and events.
2. Business Logic Layer: This layer is responsible for implementing the application's business logic, which defines how the application processes and manages data. It typically consists of code that handles data validation, business rules, and workflow management, and interacts with the data storage layer to read and write data.
3. Data Storage Layer: This layer is responsible for managing the application's data storage and retrieval. It typically consists of a database or other data storage system, and the code that interacts with that system to read, write, and query data.