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Title of Tutorial: UML Diagrams (Deployment Diagram)		
DOP: 25-09-2023		**DOS: 25-09-2023**
CO Mapped: **CO1, CO2, CO3**	**PO Mapped:** **PO1, PO3, PO6**	**Signature:**

Tutorial No. 10

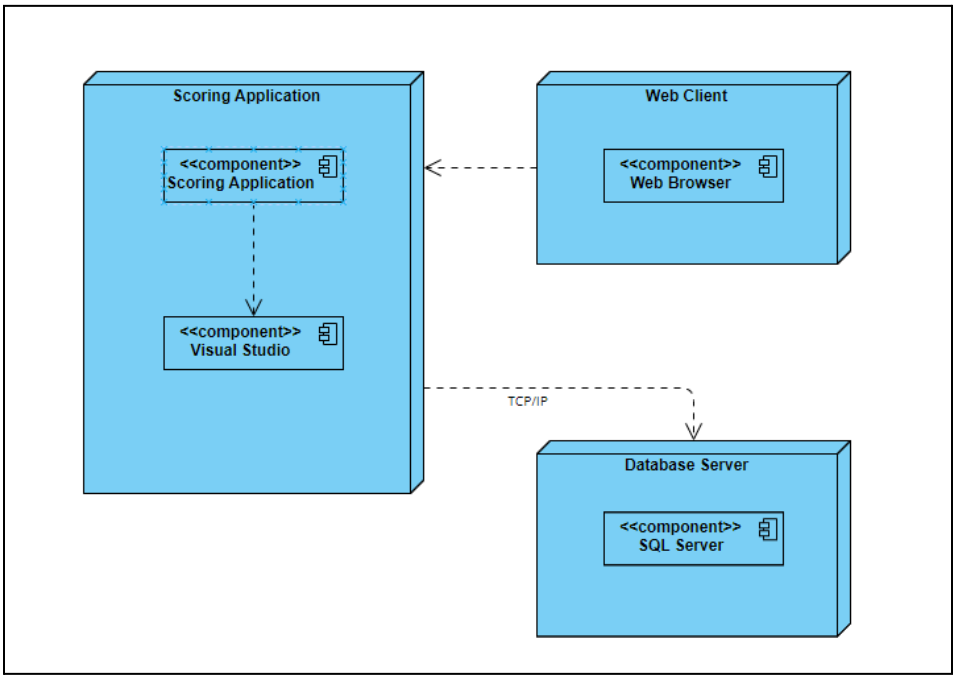
Aim: UML Diagrams (Deployment Diagram).

Description:

Deployment diagrams are a type of Unified Modelling Language (UML) diagram used to visualize the physical deployment of software components and hardware nodes in a system or application. These diagrams are particularly useful for understanding how software interacts with the underlying hardware infrastructure and for planning the deployment of a system across different servers, devices, or environments. In this note, we will explore the key elements and purpose of deployment diagrams in UML.

Problem Statement;

To create a live cricket scoring app. Here, various types of functions are provided such as ball-by-ball scoring, professional scorecard etc.



Conclusion:

In conclusion, deployment diagrams in UML are essential tools for modelling the physical deployment and interaction of software components within a system. They enable a comprehensive understanding of the relationships between software and hardware elements, aiding in system design, resource allocation, and optimization. By providing a visual representation of a system's deployment architecture, deployment diagrams enhance communication and collaboration among stakeholders, ultimately contributing to the successful implementation and maintenance of complex software systems.