Name: Layerred Arichitechturien model of an Online Judge System . .

Ans: a sur esculuit din gine ginerali Creating a Layened Anchitecture model for an online Judge System involves understand understanding it's structure and components. Here's how you can create and organize my handwritten drawing:-

Steps to create Handwritten Diagram:

- 1) choose loyens:
- * priesentation Layers: -> web on mobile Intenface.
- -) Displays problem, user Submissions and nesult .
- · Application Layers:
 - Handless problem Submission , solution evalution and usen requests.
- Business Logic Layen: Cone functions like compiling code, Running

test cones, and Senoing,

- · Data Analysis layen:
- Interacts with databases for user data, problem Sets and Submission history.
- 2) Ind.
- 2) Identing component:
- -> Authentication and Authonization.
- ode Submission and Execution queue.
- Compiler, test to case management, Scorring Algorithm.
- I usen profile Data, Submission log,
- To cloud platforms, sandboxes, Database
- 3) Draw the Diagnaw!
- Use nectangular box on layers to trepriesent each layers.
- -) Label Components with each layer-

4) Test case flow example:-

→ User Submits code → Application queues the Code → Business Logic compiles and tests it > Result. ** Stoned in the database → presentation display the results,

Oj Anchitecture.

