Client Server Model
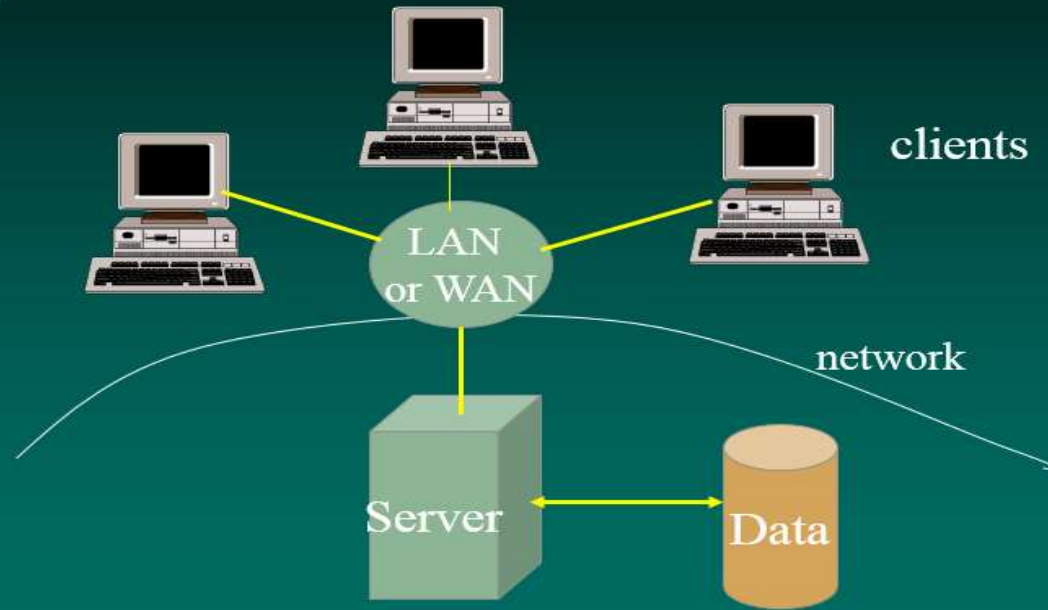
Client/Server Environment

clients

LAN or WAN

network

Server

Data

Example:-

- The ATM network:
  - the clients are the ATM machines
    - user interfaces;
      some simple application processing

  - the server is at the bank
    - most application processing;
      very large database of customer accounts

- Reliable, robust communication between the clients and server.
- Client/server cooperation
  - started by the client
- Server *controls* services/data that the client accesses.
- Server handles conflicting requests.

- The client machine (or the client process) makes the request for some resource or service, and the server machine (the server process) handles the request and sends the response (result) back to the client.
- In database server, the client queries the server for records from the database, and the server looks up the records and responds to the client.
- The Client needs to know the existence (available) and the address of the server.
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- However, the server does not need to know the existence or address of the client prior (Ex) to the connection.
- Once a connection is established, both sides can send and receive information.