



1.50

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DATABASE LANGUAGES

1. **DDL(Data Definition Language):**
used to specify the conceptual schema only

```
graph TD; subgraph End_Users [End Users]; direction LR; E1[External View] --- Dots[...] --- E2[External View]; end; subgraph External_Level [External Level]; E1; E2; end; subgraph Conceptual_Level [Conceptual Level]; CS[Conceptual Schema]; end; subgraph Internal_Level [Internal Level]; IS[Internal Schema]; end; subgraph Stored_Database [Stored Database]; direction TB; S1[(Database 1)]; S2[(Database 2)]; S3[(Database 3)]; end; E1 -- "External/Conceptual Mapping" --> CS; E2 -- "External/Conceptual Mapping" --> CS; CS <--> IS; IS -- "Conceptual/Internal Mapping" --> S1; IS -- "Conceptual/Internal Mapping" --> S2; IS -- "Conceptual/Internal Mapping" --> S3;
```

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1.40

4. **DML(Data Manipulation Language)**: for manipulation of data in the database

Types of DML:

1. **High-level(or non-procedural DML)**: specify **what data are needed** without specifying how to get those data.

2. **Low-level(or procedural DML)**: specify **what data are needed** and **how to get** those data

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2. Client-Server Systems

Client: User machine that provides user interface capabilities and local processing

Server: Provides services to client machines

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The diagram illustrates two database architectures. On the left, labeled (a) Two-tier architecture, a dashed box labeled 'client' contains a 'user' box connected to an 'application' box. This 'application' box is connected via a 'network' line to a 'database system' box, which is enclosed in a dashed box labeled 'server'. On the right, labeled (b) Three-tier architecture, a dashed box labeled 'client' contains a 'user' box connected to an 'application client' box. This 'application client' box is connected via a 'network' line to an 'application server' box, which is connected to a 'database system' box. Both the 'application server' and 'database system' boxes are enclosed in a dashed box labeled 'server'.


(a) Two-tier architecture


(b) Three-tier architecture


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-  CS4B
Denin: 😂


7:53 pm
🔇 2
-  Tobin
✔ Sticker


7:49 pm
-  Sax kardhoonga BsdK
+91 85479 18310: Sticker

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3
-  Denin
✔ 😞😞😞😞😞😞😞😞😞💔



6:47 pm

 Joel Vidyodaya

 Sweet

8:05 pm

Joel Vidyodaya
With nullifier



8:06 pm ✔

3 UNREAD MESSAGES

You

witch doctor and timber make a nice combo

I do 0 damage to timber in lane, i have no magic spells. My rightclicks suck until lvl 6

8:06 pm

Wew

8:07 pm

You


i guess its nice and all until your mid sees your safelane dying and starts to help you and dies as well



Except its a medusa

8:07 pm

Joel Vidyodaya

Except its a medusa



 i'm a generous | 