

Part of Project



FRONT END

BACK END

PROGRAMMING LANGUAGE

DATABASE

Concept of Database

{Hands on experience by Industry Expert}



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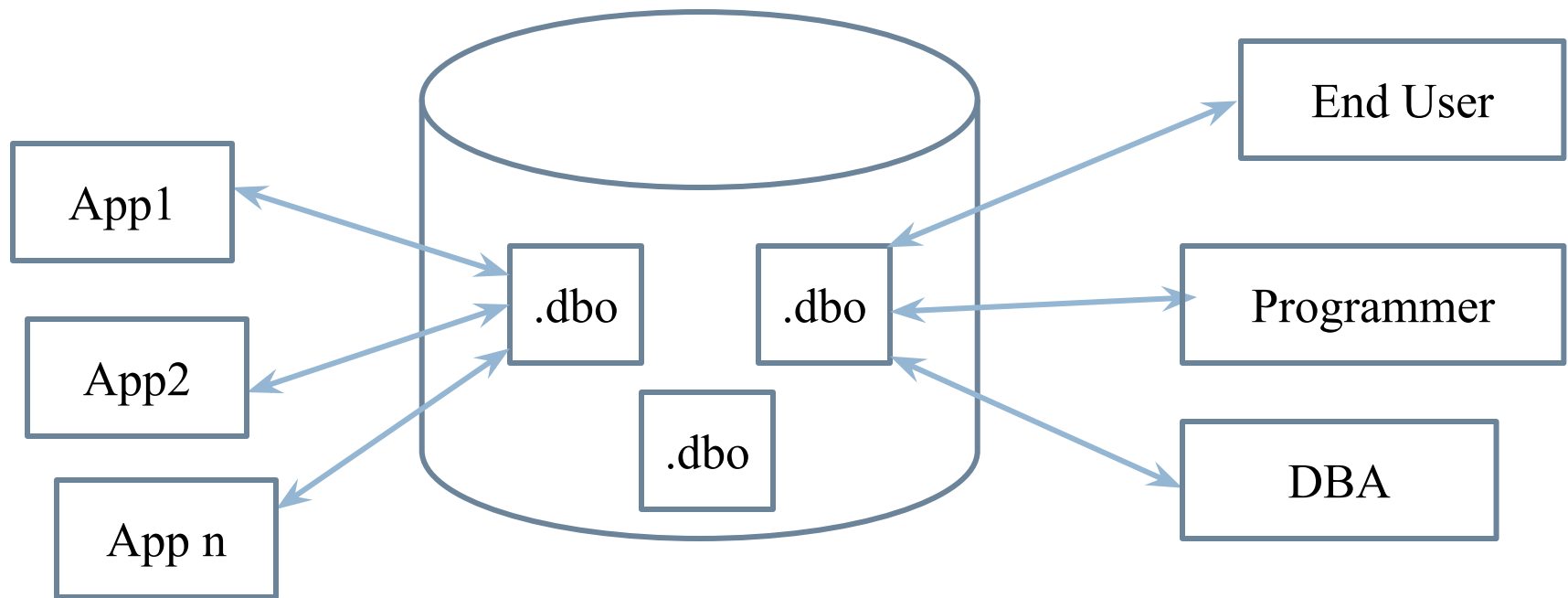
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Database Management System (DBMS)

The Database Management System is a type of application software which is used to manage database. It provide the facilities to create, access and manipulate data in database.

Oracle, SQL Server, MySql, MS-Access, DB2,are some popular DBMS.

Architecture of DBMS



SQL (Structured Query Language)

The SQL is stand for Structured Query Language. The SQL is used to perform database operations. Based on database operations the SQL is categorized to four types:-

1. DDL (Data Definition Language)
2. DML (Data Manipulation Language)
3. DCL (Data Control Language)
4. TCL (Transaction Control Language)

Commands of DDL

create	The create command is used to create a new database object.
alter	The alter command is used to modify database object.
drop	The drop command is used to delete database object.
truncate	The truncate command is used to delete all data from database object but structure is remain.
backup	The backup is most important command, it is used to take backup of database.
restore	The restore command is used to reconstruct database from its backup.

Commands of DML

insert	The insert command is used to insert record into a database object.
delete	The delete command is used to delete the data from database object.
update	The update command is used to modify data of database object.
select	The select command is used to select data from database object.

Commands of DCL

grant	The grant command is used to give rights to database user.
revoke	The revoke is just opposite to grant command . It is used to take off rights from database user.
rename	The rename command is used to change the name of database object.

Commands of TCL

commit	The commit command is used to save the transaction.
rollback	The rollback command is used to undo the transaction.