SOFTWARE

* Software is a set of instructions or programs which operates computers and performs Specific tasks.

Types of software :

1. Application Software : performs specific tasks. (EXAMPLE : Paint, word proccessors.)
2. System Software : Used for run the system. (EXAMPLE : Android, IOS)
3. Driver Software : (EXAMPLE : Audio Driver, Video Deiver)
4. Middle Ware : mediates between application and system software or between two application softwares. (connect customers to sellers/hotels)(EXAMPLE : Amazon, Flipkart, OYO)
5. Programming software : Used by developers for programming (EXAMPLE : Dev c++, Turbo c)

SDLC

(Software Development Life Cycle)

1. Planning : Project manager and client discuss about product/Software , what client wants to build, who are the users ? etc.
2. Analysis : project manager discover the requirements like how many developers and technology need for bulid this Software.
3. Design : Developers creates looks of Software.
4. Implementation : Actual coding done by developers.
5. Testing : Once Software is ready testers tests Software before deploying the Software.
6. Maintenance : After deploying Software when client use that Software then some problems or new requirements find by client which is solved by developers.

SOFTWARE ARCHITECTURE

* Blueprint of Software.

Layers of Software Architecture :

1. Presentation Layer (Look)
2. Application Layer(Basic Fuctions like login )
3. Business Layer(Backend)
4. Persistence Layer(Database Connection)
5. Database Layer(Queries)