# Software Development Life Cycle

## The phases in SDLC:-

* Requirements phase
* Analysis Phase
* Design Phase
* Developing phase
* Testing phase
* Deployment & Maintenance phase

## Requirement phase

Business Analyst collects the requirements from the clients. Here the client will tell his requirements from the software product.

Outcome here is: requirements explanation

## Analysis phase

After the requirements collection is done, the Business Analyst & Project manager start making the document related to the requirements.

Outcome here is, Software Requirements Specification Document (SRS) or Business Requirement Specification (BRS) etc.,

## Design Phase

There are 2 design phases here

1. High level Design:
2. Low Level Design

Here it is the clear component design. How to do everything clearly

Outcome :- Designs about the product clearly

## Development phase

Everybody including seniors, juniors, freshers are involved in development team. Developers start writing source code for the product.

Outcome: source code, developed product

## Testing Phase

Testers are of 2 types either manual or tester using the automation tools depending upon the SDLC mentioned process

Testers test the code thoroughly & check for the errors or bugs, if nothing is there, they produce the error free product to the deployment team

## Deployment & Maintenance phase

After the testers producing the error free product to the deployment team, deployment team releases it to the market

Here comes the actual problem when the customers start using the product.

And if anything happens, maintenance team would take care as per the agreement.