

## Design Pattern

- a) Design pattern are the well proved solution of the commonly occurring problem in software design
- b) Let us suppose we have 3 developers to create the software. While creating creating the software, there are some commonly problems occur. Now All the developers will fix the problem with their own strategy. Now the question is which developer has the most optimize solution. Here Design pattern comes into the picture. Design pattern give us some standard solution from which we can use to fix the common occurring problems.
- c) Example While creating the software we have a problem like our object should be create only once. F.g DB connection. Here We have Singleton Design pattern
- d) Design patterns represent an idea.

### Types of Design pattern

