**Name:** Muhammad Fahad

**ID:** FA19-BSSE-0014

**Course:** Software Architecture **Section:** BM

**Teacher:** Muhammad Zeeshan Siddiqui

# Design Principle

1. Design patterns provide high level guidelines to design better software.
2. Design principle have five principles which is SOLID having 5 principle including in it.
3. Design principle can be applied into most of the languages.
4. Design principle help in developing an efficient and more adaptive application.
5. Design principle are generalizing in different type of software development.

# Design Pattern

1. Design pattern provide low level solution related to implementation of commonly occurring object oriented problems.
2. Design patters have mainly four patterns, abstract, factory, singleton & Command etc.
3. Design pattern sometime vary according to language some patterns can be applied and some of them can.t be applied.
4. Design pattern promote easier program changes and object reusability.
5. Design pattern are specified according to the software development of a specified software.