* **Program**
* **Software**
* **Operating System – software ..windows, unix, linux, mac, android, ios….**
* **Application**
* **Software Architecture**
* **Modern Software Architecture**

**Client Server Architecture**

**One tier /Single tier/Monolithic architecture : Client , middleware, server all are at one machine.**

**To develop an application:**

**Good UI/GUI – with good look and feel**

**Request – correct response --- Logic**

**If(search == watche){ then return data from watches table}**

**Good speed**

**Database**

**Systems/machines**

**Softwares**

**Different operating systems**

**Different browsers**

**Mobile app – devices, os, different device configurations**

**Security**

**Logging**

**Reports**

**Infrastructure**

**MVC architecture**

**3- tier architecture**

**n- tier architecture**

**Program** is a specific set of ordered operations for a [computer](http://searchwinit.techtarget.com/definition/computer) to perform.

**Software** is a general term for the various kinds of [program](http://searchsoftwarequality.techtarget.com/definition/program)s used to operate [computer](http://searchwinit.techtarget.com/definition/computer)s and related devices.

An **operating system** (sometimes abbreviated as "OS") is the program that, after being initially loaded into the computer by a [boot](http://searchwinit.techtarget.com/definition/boot) program, manages all the other programs in a computer.

An **application** is a [computer program](https://en.wikipedia.org/wiki/Computer_program) designed to perform a group of coordinated functions, tasks, or activities for the benefit of the user. **Examples** of an application include a [word processor](https://en.wikipedia.org/wiki/Word_processor), a [spreadsheet](https://en.wikipedia.org/wiki/Spreadsheet), an [accounting application](https://en.wikipedia.org/wiki/Accounting_software), a [web browser](https://en.wikipedia.org/wiki/Web_browser), a [media player](https://en.wikipedia.org/wiki/Media_player_(application_software)), an aeronautical [flight simulator](https://en.wikipedia.org/wiki/Flight_simulator), a [console game](https://en.wikipedia.org/wiki/Console_game) or a [photo editor](https://en.wikipedia.org/wiki/Photo_editor).

**Desktop Application** : Desktop applications are those application that we need to install on computer.   
**Example**: Media Player, WordPad   
  
**Web Application** : Web application are those application that run on server side and create dynamic pages.   
**Example**: Google Docs, Google Drive etc.

**Enterprise Application** : Enterprise application are those application which are created for particular organization and purpose of these application to solve the problem of the organization rather than individual user.   
  
**Example** : Any banking application etc

**Middleware** is a general term for software that serves to "glue together" separate, often complex and already existing, programs. Some software components that are frequently connected with middleware include enterprise applications and Web services.

Eg:REST,SOAP,JSON













