**Global Assembly Cache:**

It contains Strong Named assemblies. Assemblies in the GAC can be shared by all applications running on that machine, without having to copy the assembly locally.

To install an assembly into GAC, the assembly must be strongly named. We can install multiple assemblies with the same name and public key token but with different versions. We can use different versions of an assembly with the same name and public key token and this is called as Side-By-Side execution in .Net.

We can install an assembly(.dll file) into GAC using following methods:

1. Simply Drag & Drop
2. Using GacUtil.exe (GAC Utility tool)

To install an assembly into GAC using GacUtil.exe-

* Gacutil.exe -i C:\ClassLibray\bin\Debug\ClassLibrary.dll

To uninstall an assembly from GAC using GacUtil.exe-

* Gacutil.exe -u ClassLibrary (Extension is not required)

To uninstall a specific assembly from GAC using GacUtil.exe-

* Gacutil.exe -u ClassLibrary Version=1.0.0.0,PublicKeyToken=ABCDEFGHIJK