

**1.6** There are two(2) types of COM component

**a). Inprocess Server.**

**b). Outprocess Server.**

**a). Inprocess Server.**

- 1).It means it's code execute in the same process which space as a client.
- 2).It is implemented as DLL.
- 3).DLL stands for "Dynamic Link Libraries". DLL stores a specific set of Function and Procedure separately for the executable.
- 4).DLL's occupies the memory only when the program call for the function or procedure define in them.
- 5).DLL get executed in same memory area of the client.
- 6).As DLL's occupy the same memory space that of the client they can communicate with the client at a faster speed.
- 7).Therefore, the best-suited for application that involve large amount of data transfer between the server and client, the n/w traffic will reduced.

**b). Outprocess Server.**

- 1). Outprocess Server means it's code execute in another process at the same machine or remote machine.
- 2). Outprocess Server implemented as a standard alone executable having an .exe extension.
- 3). Outprocess Server is executed in different address space from that of the client.
- 4).They are executed in a separate space than of the client if they fail it does not affect the entire client application which is true in case of DLL. Therefore, exe are more stable than DLL.
- 5).They are slower in execution in DLL as data have to be transferred between client address and component address space.