COUPLING

The degree of dependency between the components is called COUPLING.

If dependency is more, then it is considered as tightly coupling and vice versa.

**class** A{**static int** *i* = B.*j*;}

**class** B{**static int** *j* = C.*k*;}

**class** C{**static int** *k* = D.*l*;}

**class** D{**static int** *l* = 10; }

The above components are said to be tightly coupled with each other because dependency b/w components is more.

Tightly coupling is not a good programming practice because it has several serious dis-advantages.

Without affecting remaining components we can’t modify any component and hence

1. enhancement will become difficult.

2. It suppress re-usability.

3. It reduces maintainability of the application.

Hence we have to maintain dependency between the components as less as possible that is loosely coupling is a good practice.

Cohesion:

For every component a clear well defined functionality is defined then that component is that is said to follow high cohesion.