Packages and Access Specifiers

“packages are similar to folder which is used to similar set of files”

Advantages of Packages

1.organized way

2.Easy to access

3.Avoid naming collision

4.improve the security level

Note: package statement in any class

Access Specifiers/Modifiers

“It is used to restrict the access

From one package to another package or from one class to another class”

1.public

2.private

3.protected

4.default

Public: any members of the class declared as public can be accessed anywhere(any package ,any class)

Private: any member of the class declared as private can be accessed only within the same class

|  |  |  |  |
| --- | --- | --- | --- |
| AS | Accessibility level | color | shape |
| Public | anywhere | green | circle |
| private | Within sameclass | red | square |
| default | Within the package | blue | triangle |
| protected | With the same package  Outside the package IS A relationship | yellow | daiamond |

Default: any members of the class which is declared without any access specifier which can be accessed only within the package.

Protected: any member of the class which is declared with protected any be accessed only within the package and we can also access outside the package with IS A relationship.