**Day 5: 22-10-2025: OOPs concept and exception handling**

**Access specifiers and packages**

Java provided totally 4 types of access specifiers which expose the visibility or accessibility of class, constructor, variable and method within a same class, outside class, same package as well as other package.

1. private

visibility : within a same class

private we can use with instance variable, static variable, constructor, non static method static method but we can’t use with class as well as local variable.

1. default (nothing)

visibility : within a same package

default we can use with all.

1. protected

visibility : within a same package as well as other package if it is sub class.

protected we can use with instance variable, static variable, constructor, non static method static method but we can’t use with class as well as local variable.

1. public

visibility : within a same package as well as other package.

public we can use with all but can’t use with local variable.

package : package is a collection of classes and interfaces. Package help us to organized the classes and interfaces in proper manner. Using package we can create more than one classes as well as interface which have same name but different purpose. Package is like a directory or folder.

Package mainly divided into 2 types.

1. User defined package
2. Pre defined or built in package.

To create the package we need to use package keyword with name of the package.

package com;

**education**

**school college**

Attendance.java Attendance.java