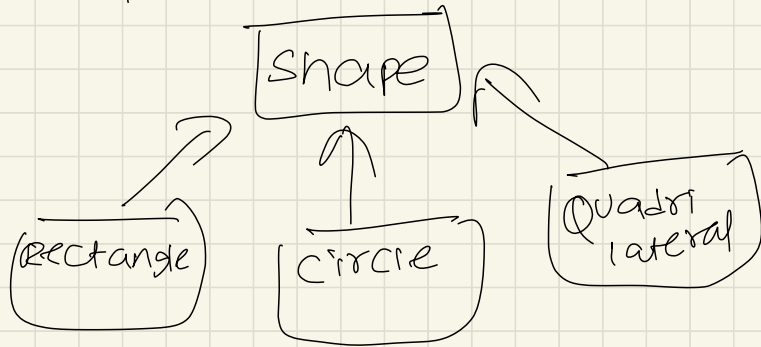


## lecture - 196

### Generalization vs Specialization :-

- \* Same name but different behaviour is called polymorphism. \*



### Purpose of inheritance :-

- \* To achieve polymorphism
- \* To share features to its child classes.

Innova

Frontier

Rectangle

Cuboid

This is  
top down  
approach

shape

Rectangle

circle

quadrilateral

This is bottom up approach  
also called generalization

# lecture - (191)

## Access specifiers

### Access specifiers table

	public	protected	private
inside class	✓	✓	✓
inside derived class	✓	✓	✗
on object	✓	✗	✗

# lecture - 195

## ways of inheritance

Below concept is not present in JAVA

	derived PUBLIC class,	derived PROTECTED class	derived PRIVATE class
Base			
Public	PUBLIC	PROTECTED	PRIVATE
protected		PROTECTED	PRIVATE
private	NO access	NO access	NO access

↓  
All 3 are derived  
CHILD classes...