

Sunday, 19 June  
2016

# Crux

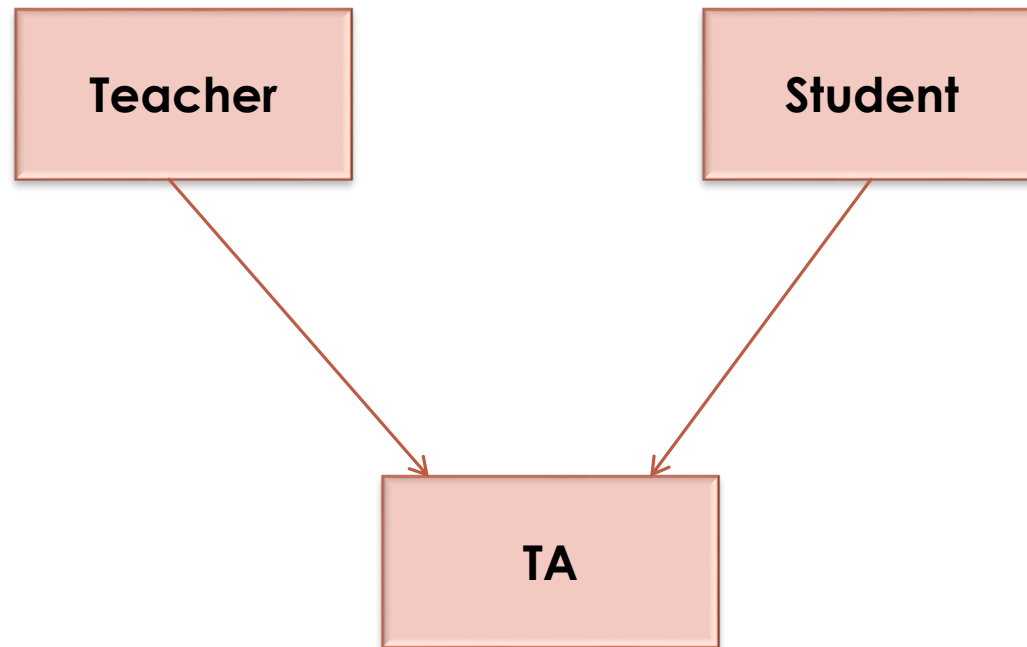
## Lecture -10

Object Oriented  
Programming-2

Manisha Khattar

# Multiple Inheritance

# Multiple Inheritance



# Java Interfaces

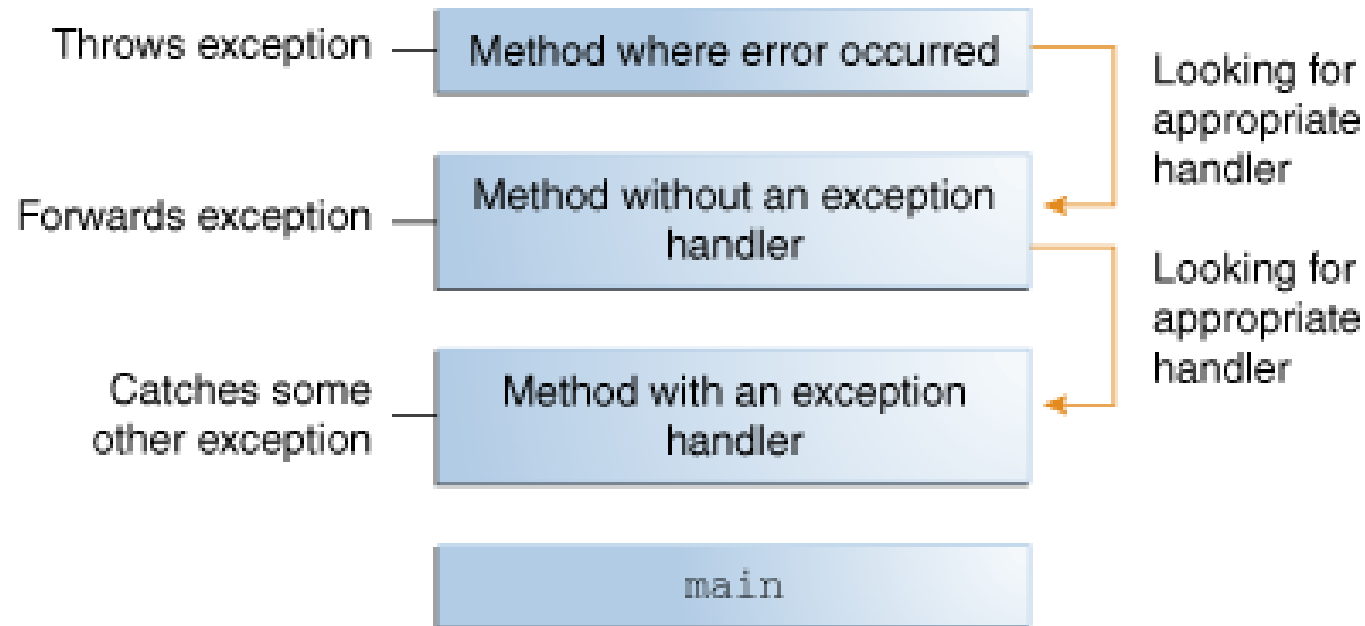
# Java interfaces

1. All methods are public and abstract
2. All data members are final and static
3. An interface can extend another interface
4. A non-abstract implementing class must implement all methods
5. A class can implement multiple interfaces

# Java Comparable Interface

# Exceptions

# Exceptions & the call stack





# Type of Exceptions

1. Checked Exceptions  
(`java.lang.Exception`)
2. Errors(`java.lang.Error`)
3. Runtime Exceptions  
(`java.lang.RuntimeException`)

# Either Catch or Specify

# Try catch and finally?

# How to throw Exceptions?

# Throwable?

# How to create our own Exception Class?

# Generics

# Generics

1. Allows us to create one method which works for many type of objects
2. Why not just use Object class for all parameters? Run time errors?



Lets look at an example of  
Generic class

# Generics

1. Instantiating a Generic class
2. Multiple Type Parameters
3. Multilayer Generic Parameters
4. Raw Types

# Generic Methods

# How to bound the allowed types?

# Recursion Assignment 2 ?

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Thank You !!

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22

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