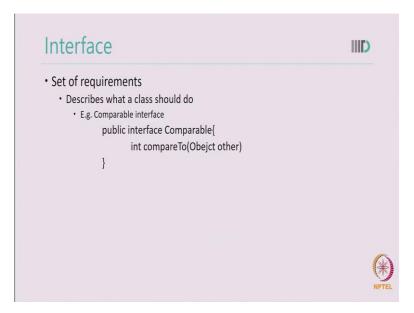
Mobile Computing Professor Pushpedra Singh Indraprasth Institute of Information Technology Delhi Java Basics Lecture 04

Similar to classes we also have a concept of interface in java. In java a class cannot be drive for more than one class. This is different than what we have in C plus plus where a sub class can be drive for more than one parent classes. An order to compensate for this java has the concept of interfaces.

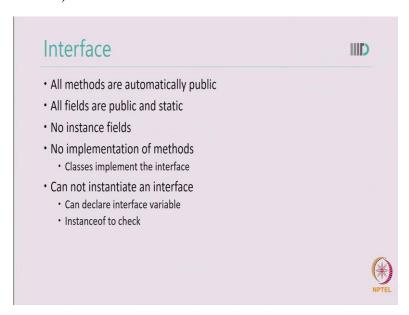
Using interface we can define a set of requirement which then need to be implemented into the classes that implement that interface. Interface is very similar to abstract class however interface only defines the methods. And then unlike (())(0:49) classes a class may implement multiple interfaces.

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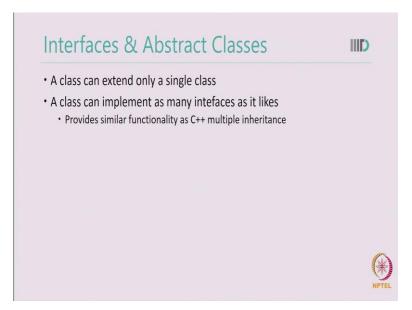
So let see what the interface is? So interface defines a set of requirements which basically describe what a class could do. For example there is comparable interface we define a interface with a key word called interface. Each interface defines certain methods so the comparable interface which is available in java defines a method called compared to. Now any class that implements comparable interface must implement the method called compare to.

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In interfaces all the methods are public all the fields are public and static there are no instance fields there is no implementation of methods. And you cannot instantiate an interface. However you can declare interface variables.

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Interfaces and abstract c lasses are very similar. As told earlier a class can extend only a single class but a class can implement as many interfaces as it likes. Interface provides similar functionality with c plus plus (())(2:10) to provide by multiple inherent. Thank you!