

## Abstract classes, why and when????

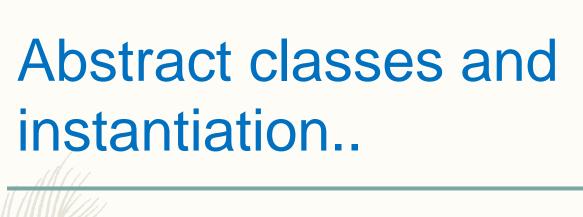
– When it is difficult or often unnecessary to implement all the methods in parent class:

\*Make the parent class an abstract class

\*A special class, Not complete on its own.

\*Make an extended class

- \* Implement the method there
- Syntax: abstract class\_name



Abstract class cannot be instantiated

 To use this class, you need to use the object of the extended class.

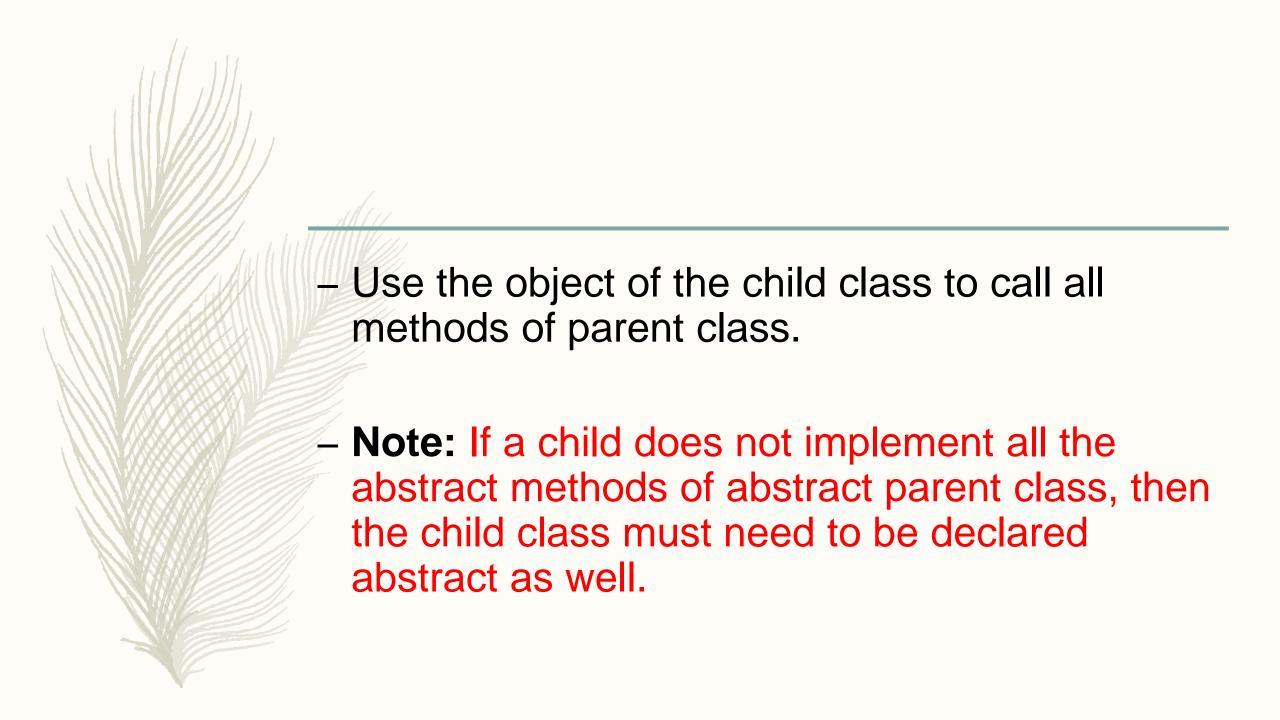


 A class derived from the abstract class must implement all those methods that are declared as abstract in the parent class.

## Abstract method

 A method which is declared as abstract and does not have implementation is known as an abstract method.

– Syntax for abstract method: abstract void method\_name(); //no method body





## More about Abstract class...

It cannot be instantiated, but we can have references of abstract class

It may include abstract methods and normal methods

