

## DAC 0521 MET-M Writeup - Java Module 1 Session 08

(Very Important for Java Interview)

Abstract Class	Interface
It is a reference type which does not support instantiation (new statement) and is defined to specify the common type of implementation supported by different types of objects	It is a reference type which does not support instantiation and is defined to specify common type of methods supported by different types of objects
It can define instance (non-static) fields	It cannot define instance fields
It can define non-final static fields	Its static fields are always final
It can define pure (unimplemented) as well as implemented methods but its pure method must be declared with abstract modifier	It can define pure as well as implemented methods but its implemented method must be declared with default modifier
It can include public as well as non public members	Its members are always public
It can extend exactly one other class which may or may not be abstract	It can extend multiple other interfaces
A non-abstract class can only inherit from (using extends statement) a single abstract class and it must implement all of its pure methods	A non-abstract class can inherit from (using implements statement) multiple interfaces and it must implement all of their pure methods.