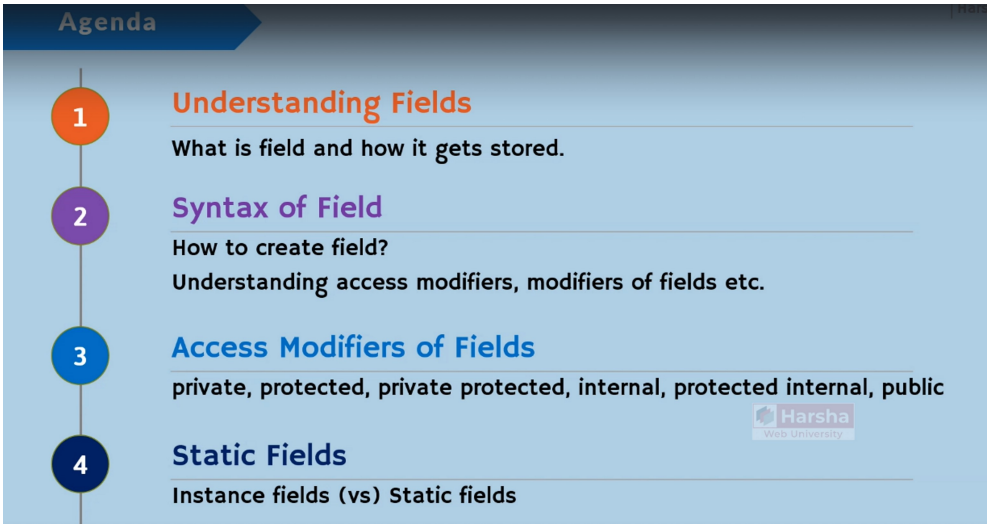
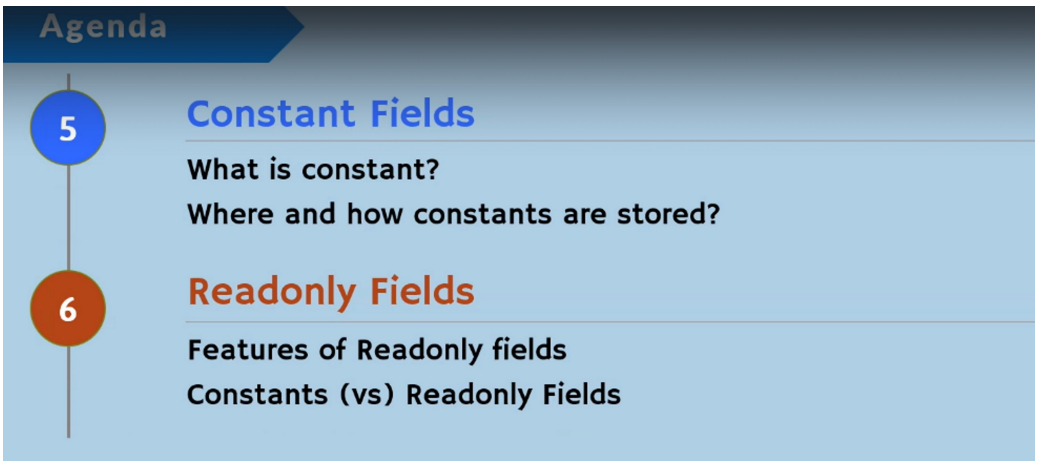
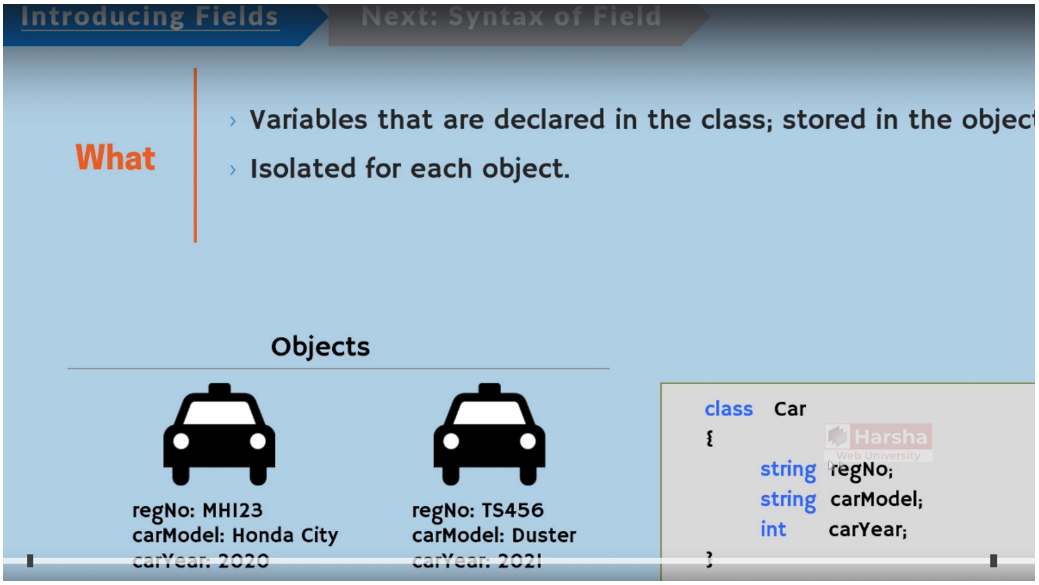
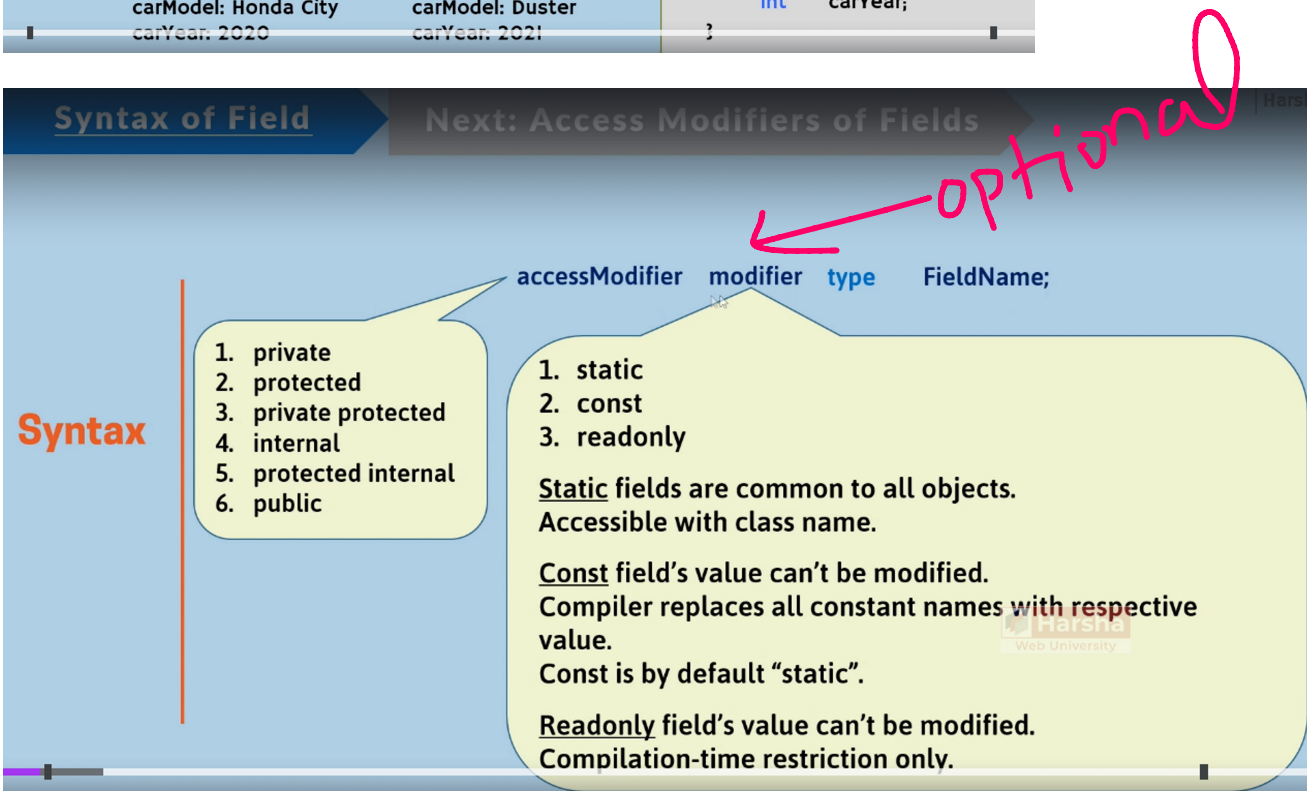
Section 5: Fields

09 July 2024 12:23

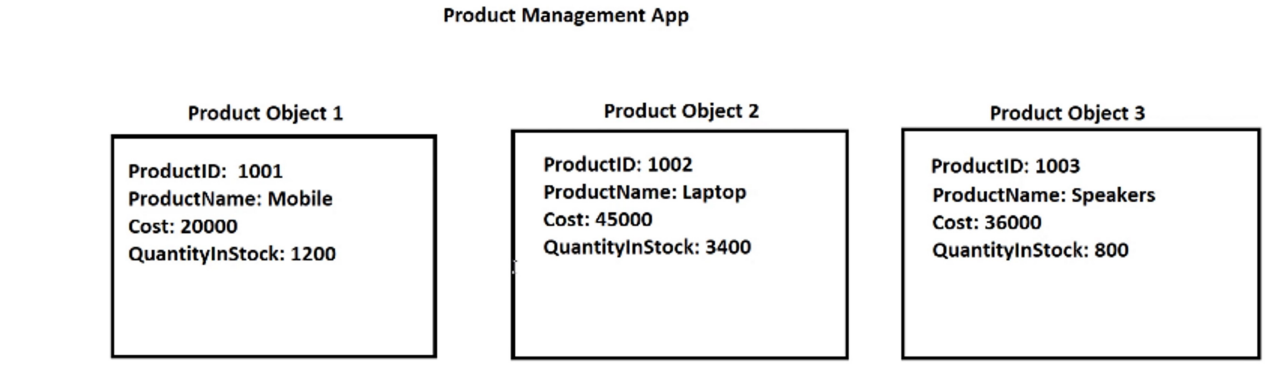


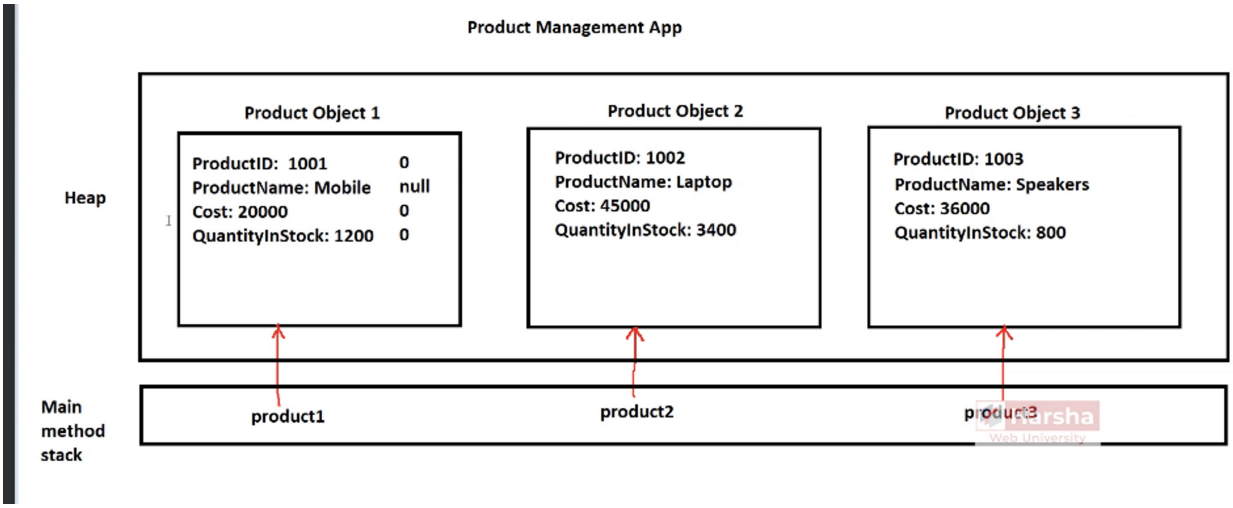




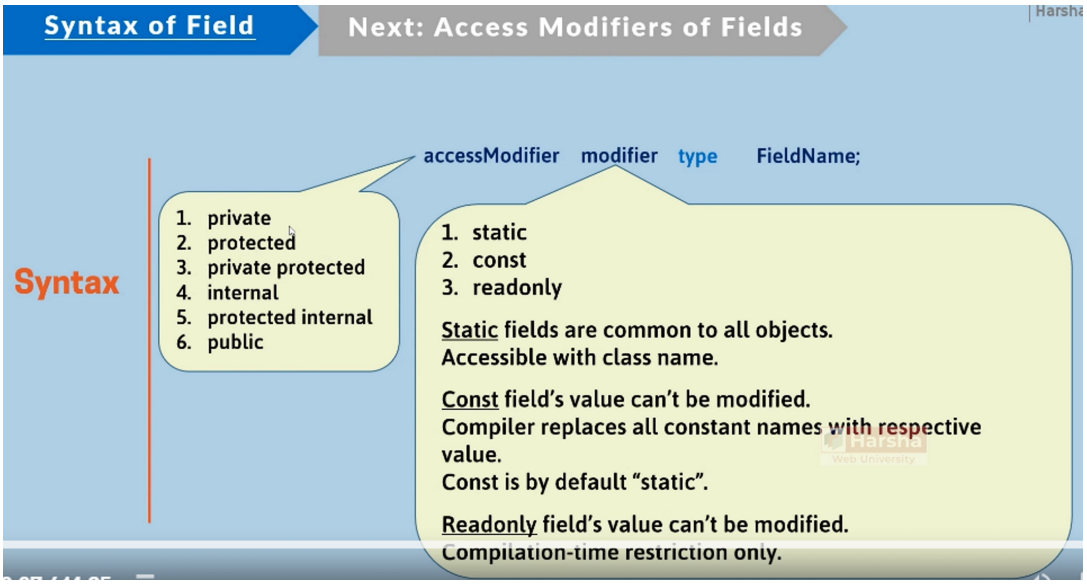


The Default Access Modifier of a field is Private.
The Default Access Modifier of a class is Internal.

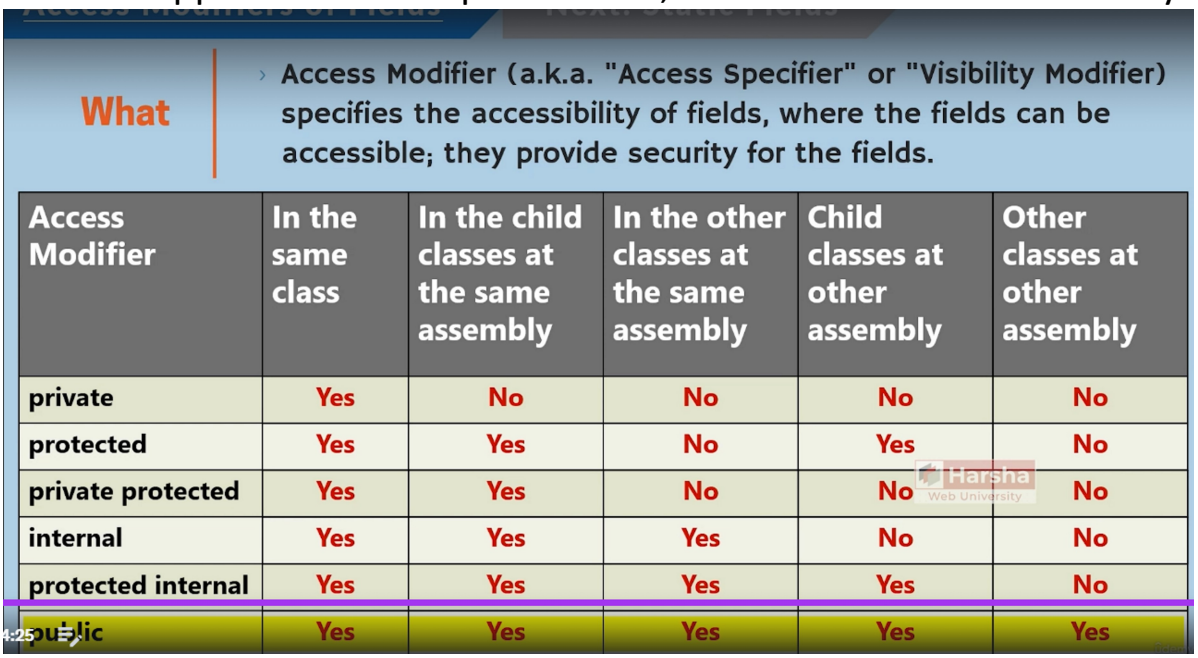




Access Modifier of Fields



Class Library file are compiled as DLL, that DLL is called as assembly.
Console Application is compiled as exe, that exe is called as assembly.

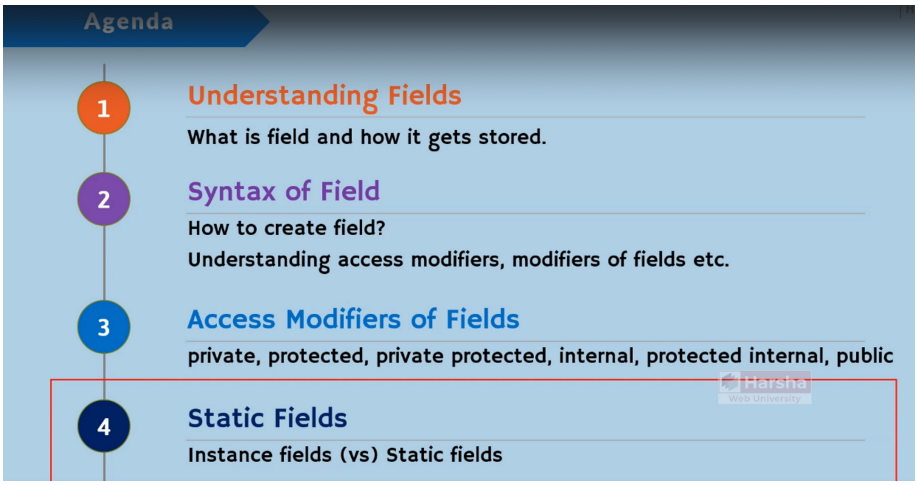


What

› Access Modifier (a.k.a. "Access Specifier" or "Visibility Modifier") specifies the accessibility of fields, where the fields can be accessible; they provide security for the fields.

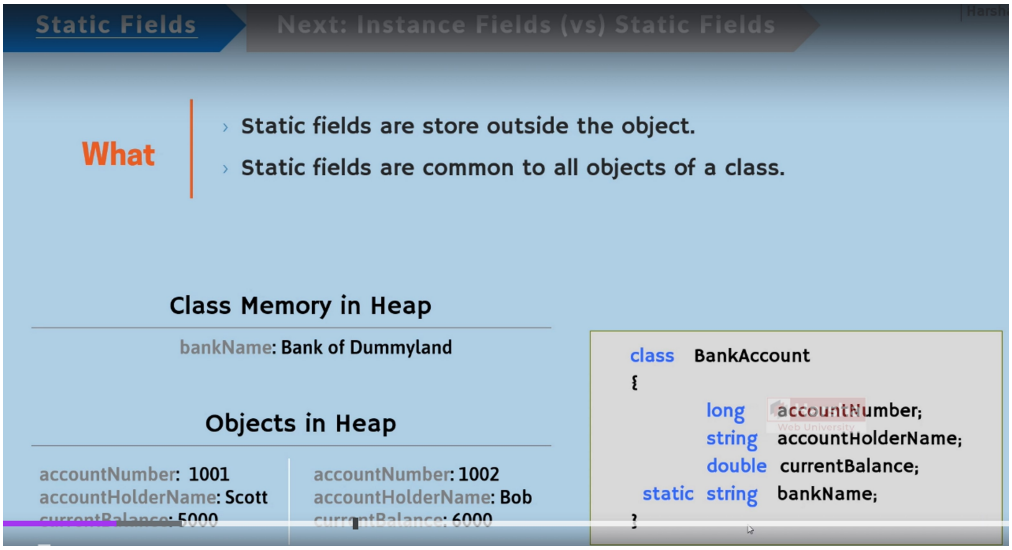
Access Modifier	In the same class	In the child classes at the same assembly	In the other classes at the same assembly	Child classes at other assembly	Other classes at other assembly
private	Yes	No	No	No	No
protected	Yes	Yes	No	Yes	No
private protected	Yes	Yes	No	No	No
internal	Yes	Yes	Yes	No	No
protected internal	Yes	Yes	Yes	Yes	No
public	Yes	Yes	Yes	Yes	Yes

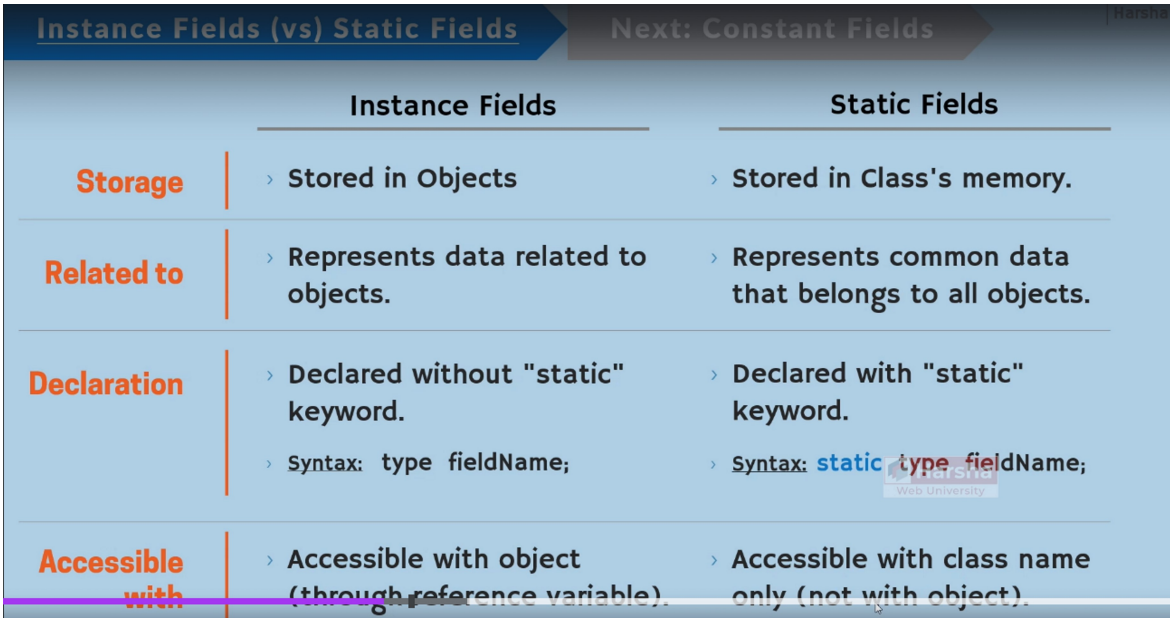
Static Fields

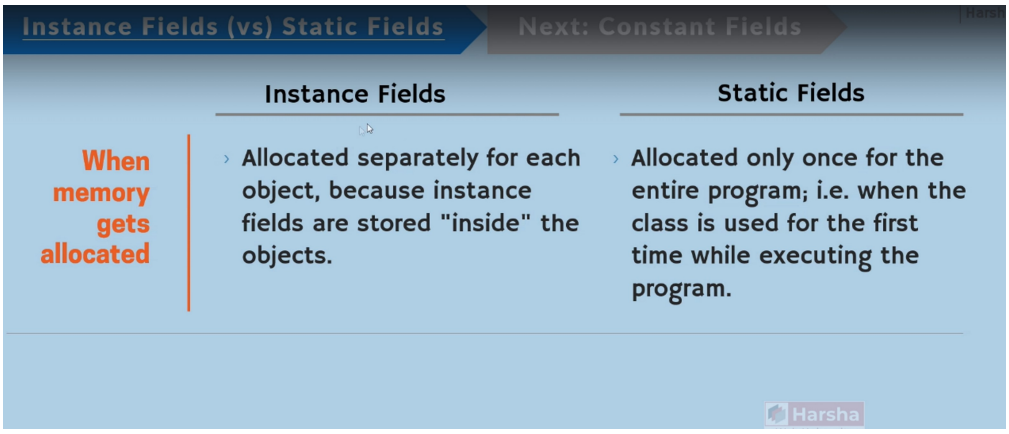


Agenda

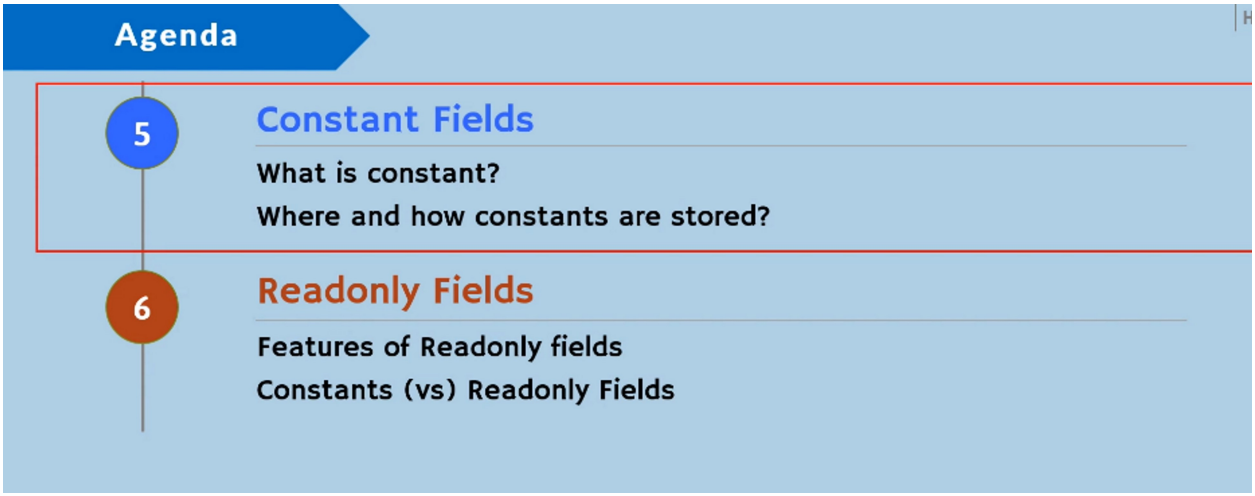
1. Understanding Fields
   What is field and how it gets stored.
2. Syntax of Field
   How to create field?
   Understanding access modifiers, modifiers of fields etc.
3. Access Modifiers of Fields
   private, protected, private protected, internal, protected internal, public
4. Static Fields
   Instance fields (vs) Static fields

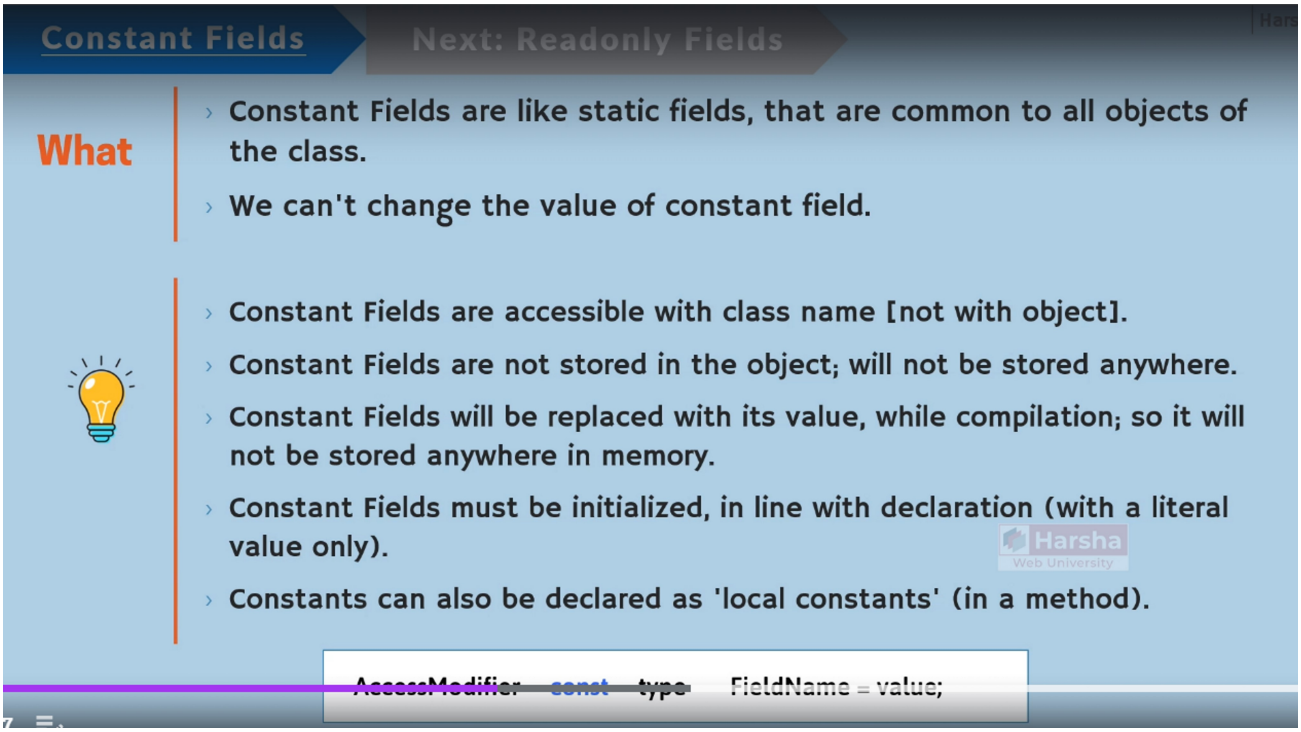




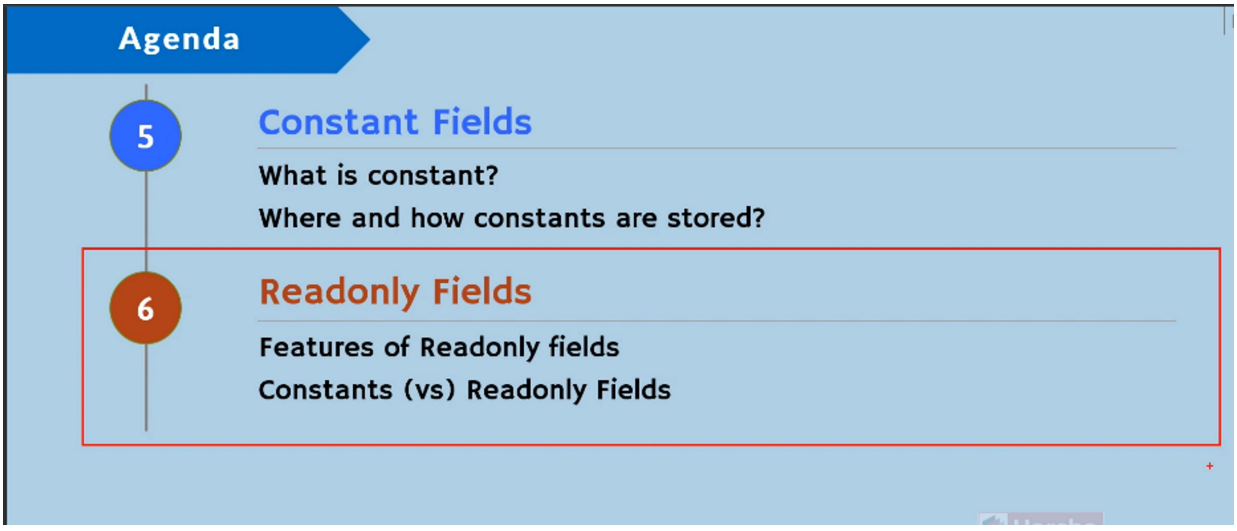


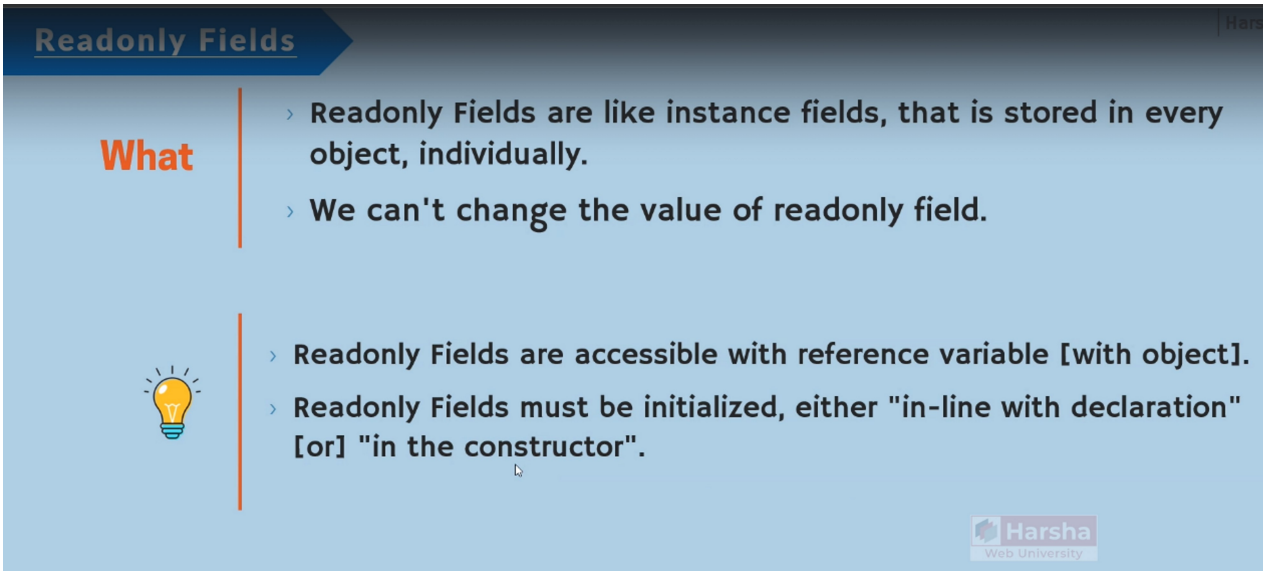
Constant Field

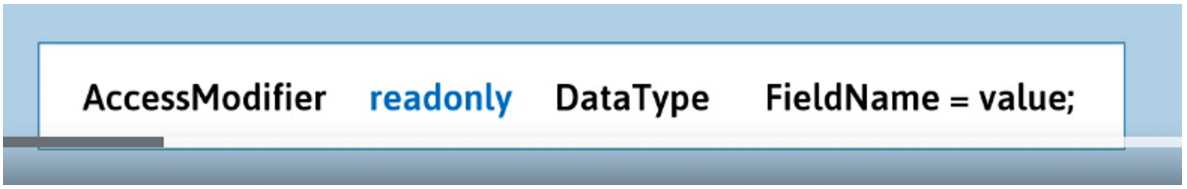




ReadOnly Fields







Registration no of a student is an example of readonly field.