



Advanced Java

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Reflection

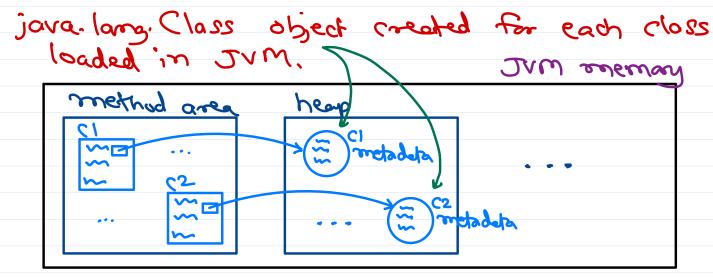
Var > Sizeof() > Size of vor in bytes (c) - name of class
- super dass and super interfaces.

Fields in the class
- constructors in the class
- methods in the class
- args & refun values of method.

The access specifiers for class & method.
- access specifiers for class & method.
- annotations. > java. larg. Class object - full into about type of obj (Java)



Reflection



To obtain java. lang. Class obj (metadata) associated with any class, use one of the following method.

- 1) Class c = Class. For Hame ("pkg. Class Home");
- @ Class c = Class Hame. class;
- 3) Class c = obj. get(lass();



Reflection

applications of reflection:

- 1) get inte about class metadates.
 - create stools like jarap.
 - create intellisence kind of feature.
- 2) dynamic invocation of methods.
 - to create obje dynamically, find the method in class and call it.
 - internally used by spring & hibernate.



Annotations

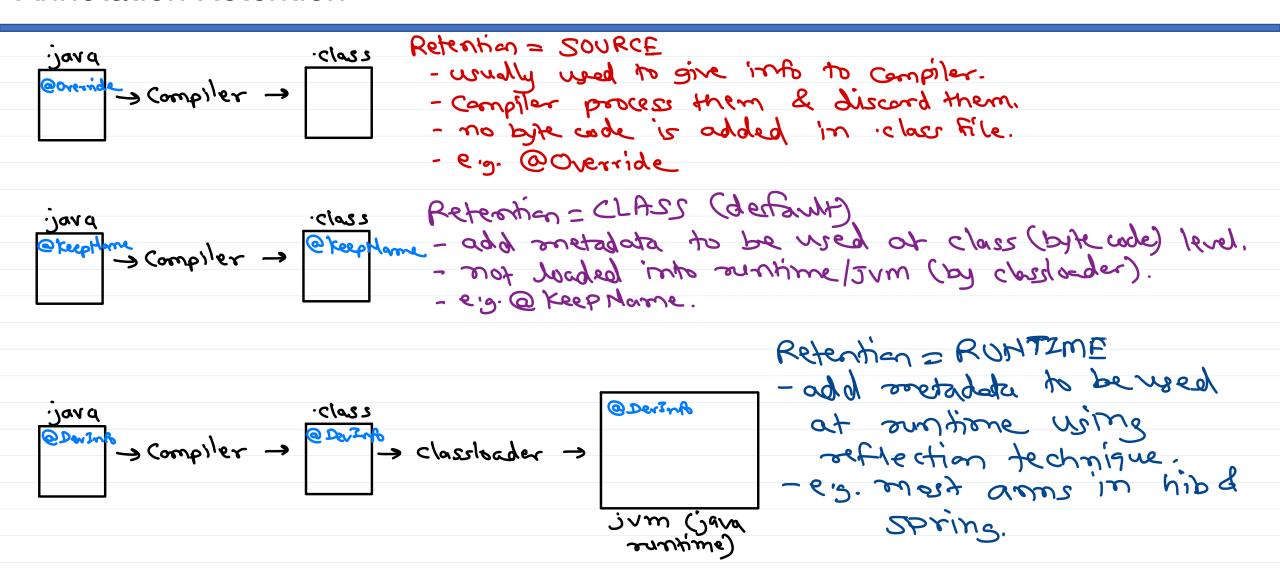
- * used to associate additional restricted with 3 @ Suppressible arming ("_")
 class or its members.
- * added in Java 5.0.
- * imp amostation:
- 1) @ Override: =heck if sub class method is Compatible with super class method for overriding it. If not compatible (e.g. diff Signature, wrong access modifier, or wrong exception list), then java compiler raise Er ver.
- 2 @ Functional Interface: check if interface Contains SAM. If mot, then rouse Compiler error.

rawtypes of unchecked & yearner of

- referred combiser e of to egire maesines in some Scenarios.
- 4) @ Deprecated: marks a class or its member as depoe coted. Ving it will Cause weren'ng at Compile Hime



Annotation Retention







Thank you!

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