Homework 3

* Array of objects

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Notes: Disadvantage of Inheritance???

* Overriding methods! – child class able to override methods of parent class – implying the new method can have ambiguous functionality w.r.t original intended function of the parent class
* Solution: final methods. – stops subclasses from overriding methods.

Final classes – cannot be inherited from a final class. Declared as “final class Aclass{…}”

Abstract methods – MUST be redifined in subclasses of the abstract class. Objects cannot be instantiated for the abstract class

Interfaces – Define only abstract methods and final fields

Syntax- interface InterfaceName

{

Variable declaration; (static final type name = value;)

Methods declaration; (return-type methodname(parameter\_list

}

// static variables only accessible through static blocks or static methods

// final variables accessible through a regular method

Extending interfaces

Syntax-interface name2 extends name1

{

Body of name2;

}