	III ködi	EDGA
	Chapter 10 - Inheritance	Dearle Gung: Create
1	Inheritance is used to borrow an existing class	properties & methods from
NO. S	Phone ] -> [Smort Phone	
in land	Super Class -> Sub Class	
	Declaring Inheritance in Java Inheritance in Java is declared using extends keyword	
300	Superclass	=> Subclass extends the superclass
tusto	More Examples  Vehicle Animal Animal Vehicle  Car Dog Cat Truck  When a class inherits from a superclass, it inherits parts of superclass methods and fields.  Java doesn't support multiple inheritance ie tub classes  Connot be super classes for a subclass.  Code Example  Inheritance in Java is declared using extends keyword	
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	public class Dog extends A	nimal E> Inheriting Dog from Arimal Class!!
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 Quick Quiz: Create a class Animal and Derive another class Dog from it Constructors in Inheritance When a Derived class is extended from the Base class. the Constructor of the Base class is executed first followed by the Constructor of the derived class. for the following Inheritance hierarchy, the constructors. Are executed in the order (1) + (2) + (3) C1 -> Parent constructors execute in top C2 - child C3 - Grand child Constructors during Constructor Overloading When there are multiple constructors in the parent class, the constructor without any parameters is Called from the child class. If we want to call the constructor with parameters from the parent class, we can use super keyword Super (a, b); -> Calls the constructor from the parent class which takes 2 Variables this keyword this is a way for us to reference an object of the class which is being created /referenced. this area = 2 > this is a reference to current object