1.10, 2.1-2.8, 2.13, 2.14.

• Java Programming Language (JPL): 1.1-1.5, 1.6.1, 1.7.1, 1.7.2, 1.9.

• 1.2.9, 1.3, 1.4, 1.5, 1.6.

• Notes on OOP Programming Design, by Dr. Carnwright: 1.1, 1.2.1-1.2.5.

Read either:

Reading

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The main method will instantiate appropriate objects and send them messages (by calling their methods) to perform the desired tasks.

public static void main(String[] args) {

signature

One of them must be public and must have a method with the following signature:

A Java program consists of one or more classes.

Java Programs

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/*
  can span several lines.

  block-oriented

  */

  or

  line-oriented //

  Comment syntax:

Comments

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/ *
   * From code.
   * the comments, and distinguish them.
   * Why? It makes it easier to identify
   * 
   */

- For block-oriented comments, I suggest:

Comments (cont.)
{  
  [method-list]
  [constructor-list]
  [field-list]
}  

class class-name [inheritance-specification]  
[public] [abstract]  

--- [means optional]  

Class Definitions

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Examples
method calls.

NOTE: Infix notation for arithmetic expressions, and "dot" notation for

```java
{ }

(system.out.println(rectPizza.diameter() / (rectPizza.diameter() > (circlePizza.diameter())))

// System.out.println("In

then Rectangular Pizza: ");

System.out.println("Round Pizza is a better deal.");

Examples (cont.)

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public class Rectangle extends AShape
{
    private double dHeight;  // Note the underscore.
    private double dWidth;

    public Rectangle(double dWidth, double dHeight)
    {
        dHeight = dHeight;
        dWidth = dWidth;
        // the underscore helps distinguish the field from the
        // parameter.
    }
}
{ }
{
    // 메서드 1로 설정 + 메서드 + ""
    return "rectangle(\textwidth = \textwidth + \textwidth)"
}

public String toString()
{
    return "\textwidth \textwidth \textwidth; // 인터 네트 노트레이션"
}

public double area()
{

Examples (cont.)
Field Definitions

Field list syntax: A field list consists of zero or more field declarations of type field

[static] [public | private]

field-type field-name [assignment] ;
Instantiation only.

Constructors are used for initialization of the object during the object's construction. The constructor's name is the same as the class name.

```c

{  [statement-list;]  

[bpublic | private] class-name [param-list] 

[constructor definitions of the form: A constructor list consists of zero or more 

Constructor Definitions

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```
A return type void means the method does not return any value.

```java
{[statement-List]

  return-type method-name([param-List])

  [static] [public] [private] [abstract]
}
```

definitions of the form: Method List Syntax: A method list consists of zero or more method

Method Definitions

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type param1, type param2, ... type param

• A param list looks like:

Method Definitions (cont.)