Lec02: 表达式/顺序程序设计(Using Java like C)

- 1. DataType and Expression
 - a) Primitive DataType // JVM 基础
 - i. boolean/Boolean
 - ii. byte/Byte
 - iii. char/Character
 - iv. short/Short
 - v. int/Integer
 - vi. long/Long
 - vii. float/Float
 - viii. double/Double
 - b) Reference DataType //引用数据类型
 - i. String
 - ii. Date
 - iii. Scanner
 - c) Expression
 - i. Variable//变量 int x=3;
 - ii. Constant//常量 final int y=5;
 - iii. Literal//字面量 123
 - iv. Operator//运算符
 - 1. + *
 - 2. %/
 - v. Expression:
 - 1. Variable Constant Literal is Expression//原子性
 - 2. Expression op Expression is Expression
 - 3. (Expression) is Expression
 - 4. 使用步骤1,2,3有限步构造出来
- 2. IPO 顺序程序设计
 - a) Input: 格式化输入
 - i. java.util.Scanner
 - 1. 引入类的定义 import java.util.Scanner;
 - 2. 创建扫描器对象 Scanner cin=new Scanner(System.in);
 - 3. 格式化读取 nextXXX()
 - a) nextInt()/nextInt(radix)
 - b) nextFloat()/nextDouble()
 - c) next()/nextLine()
 - d) hasNext()/hasNextLine()
 - b) Process
 - i. 数值计算函数 Math
 - ii. Math.PI/Math.E
 - iii. Math.sqrt/sin/log/log10
 - c) Output: 格式化输出

- i. String.format
- ii. System.out.printf

3. Home:

- a) 计算 ax^2+bx+c=0 的两个根 x1,x2(x1>=x2)
- b) Contest: 1057