Lec02: 表达式/顺序程序设计(Using Java like C)

1. DataType and Expression
   1. Primitive DataType // JVM基础
      1. boolean/Boolean
      2. byte/Byte
      3. char/Character
      4. short/Short
      5. int/Integer
      6. long/Long
      7. float/Float
      8. double/Double
   2. Reference DataType //引用数据类型
      1. String
      2. Date
      3. Scanner
   3. Expression
      1. Variable//变量 int x=3;
      2. Constant//常量 final int y=5;
      3. Literal//字面量123
      4. Operator//运算符
         1. + – \*
         2. % /
      5. 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**
   1. Input : 格式化输入
      1. 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()
            1. nextInt()/nextInt(radix)
            2. nextFloat()/nextDouble()
            3. next()/nextLine()
            4. hasNext()/hasNextLine()
   2. Process
      1. 数值计算函数Math
      2. Math.PI/Math.E
      3. Math.sqrt/sin/log/log10
   3. Output：格式化输出
      1. String.format
      2. System.out.printf
3. Home:
   1. 计算ax^2+bx+c=0的两个根x1,x2(x1>=x2)
   2. Contest：1057