Basics of Subprograms

10-7-2004
Let's do the last three sheets of questions from last class.

All the project ideas look good.

- Tom – whether you go into C# will depend on how much material you can get in the Java parts.
- Daniel – while reading yours I realized how difficult a problem it is. Your analysis might simply show why it isn't being done. I would note that it is even harder in languages with significant polymorphism.
Let's go over your discussion questions for today.
Significant Concepts

- Basics
- Design issues
- Local referencing environment
- Parameter-passing methods
  - Pass-by-value
  - Pass-by-result
  - Pass-by-value-result
  - Pass-by-reference
  - Pass-by-name
- Type-checking
- Implementations
- Multi-dimensional arrays