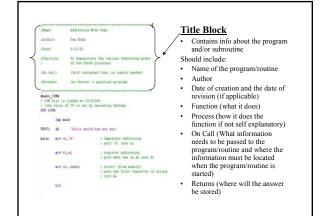
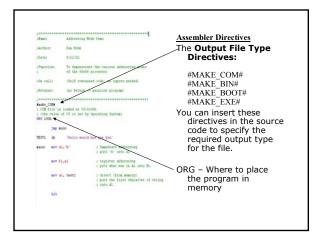
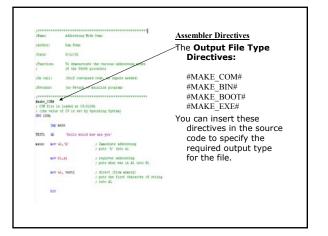
Assembly Language Programming

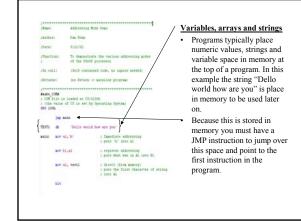
By Dan Kohn University of Southern Mississippi Computer Engineering Technology

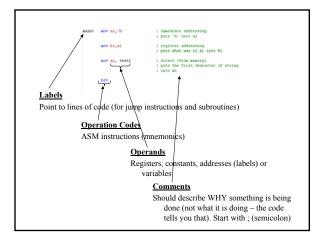




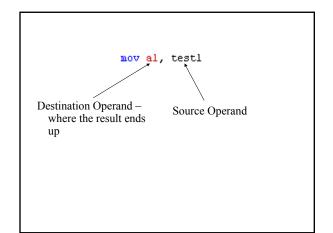






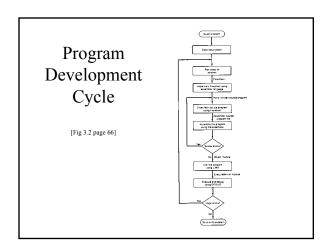






Program Development

Section 3.2



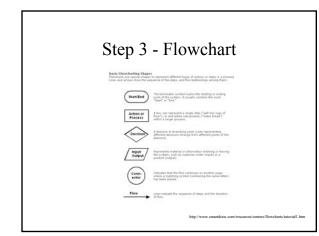


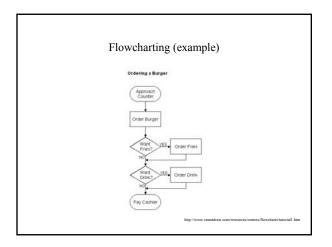
Step 1 – Describe the Problem

- A programmer cannot program a solution to a problem until he/she understands the problem!
- Divide and conquer! Break larger tasks into smaller ones!

Step 2 - Plan the Solution

 Algorithm - A formula or set of steps for solving a particular problem. To be an algorithm, a set of rules must be unambiguous and have a clear stopping point. Algorithms can be expressed in any language, from natural languages like English to programming languages. [They can also be expressed by using flowcharts].







- Step 4 Convert flowchart to ASM code
- Step 5 Enter code into an editor program
- Step 6 Compile the code
- Step 7 Debug the syntax (Repeat steps 5-7 until it compiles)
- Step 8 Debug the logic (repeat steps 5-8 until the program works correctly)