

Supplemental Instruction Handout

Fill out the handout below to organize your knowledge regarding structs!

Structures Matrix

Operation	Format/Specific Example	Purpose/Explanation	Common Errors/Misconceptions
General Format of a Struct	<pre>struct <structName> { type1 field1; type2 field2; . . . };</pre>		
Defining a Variable	<pre>structName variableName;</pre> <p>Specific Example:</p> <pre>Student s;</pre>		
Accessing Structure Members	<pre>variableName.field;</pre> <p>Specific Examples:</p> <pre>cin >> stu1.studentID; getline(cin, stu1.name); stu1.gpa = 3.75;</pre>		
Comparing Struct Variables	<pre>if (bill.studentID == william.studentID) ...</pre>		
Initializing a Structure	<pre>Student s = {11465, "Joan", 2, 3.75};</pre> <p>-OR-</p> <pre>s.name = "Joan"; s.gpa = 3.75;</pre>		

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