

**MTSU Computer Science Rubric to Measure Performance Indicator C.1:
Graduates will be able to write a program requiring loops, conditionals, and procedures.**

Course: _____ Student: _____ Evaluator: _____ Date: _____

Performance Criteria	Unsatisfactory	Satisfactory	Exceeds expectations
Conditional statements (if, if-else, switch)	<ul style="list-style-type: none"> • Syntax errors exist, more than one logical error exists such as missing else statement, wrong logical condition expression, or inappropriate use of nested if statement(s). <input type="checkbox"/>	<ul style="list-style-type: none"> • No syntax errors. • No more than one logical error; some redundant logical expressions may exist. <input type="checkbox"/>	<ul style="list-style-type: none"> • No syntax errors. • No logical errors or redundant logical expressions. • Meaningful comments are provided for complicated conditional branches. <input type="checkbox"/>
Loop statements (for, do .. while, while)	<ul style="list-style-type: none"> • Syntax errors exist, more than one logical error exists such as wrong type of loop statement, wrong logic expression, uninitialized loop control variable, or an infinite loop. <input type="checkbox"/>	<ul style="list-style-type: none"> • No syntax errors. • No more than one logical error; some redundant logical expressions may exist. <input type="checkbox"/>	<ul style="list-style-type: none"> • No syntax errors. • No logical errors or redundant logical expressions. • Meaningful comments are provided for all loop statements. <input type="checkbox"/>
Procedures	<ul style="list-style-type: none"> • Global variables are used, syntax errors in procedure definitions or procedure calls exist, some procedure definitions do not meet the requirement specifications, or inappropriate use of pass-by-value or pass-by-reference parameters. <input type="checkbox"/>	<ul style="list-style-type: none"> • No global variables are used. • No syntax errors in procedure definitions or procedure calls exist. • Procedure definitions meet the requirement specifications. • Pass-by-value and pass-by-reference parameters are appropriately used. <input type="checkbox"/>	<ul style="list-style-type: none"> • No global variables are used. • No syntax errors in procedure definitions or procedure calls exist. • Procedure definitions meet the requirement specifications. • Pass-by-value and pass-by-reference parameters are appropriately used. • The purpose, pre-condition, and post-condition of each of the procedures are well-defined. <input type="checkbox"/>

Last modified: April 22, 2016