

Crafton Hills College - Outcomes Assessment Report

Course: CIS-113
Java and J++ Programming

Term: 2011 Fall

1. Learning Outcomes Statement

Students can use variables in Java that meets a set of specifications.

2. Means of Assessment (Measurement Method)

In the midterm exam, students are asked to write code in Java pertaining to declaring and initializing variables. For each problem, students are given clear instructions as to the data type, identifier, and/or initializing value of the variable(s). There are a total of five problems. These problems are administered using MyProgrammingLab, a Web-based tool that is able to check the correctness of computer programs. Students either receive points for completing a problem correctly or none otherwise.

3. Criteria for Success (Benchmark)

For each given problem, 80% of students are able to completing it correctly.

4. Summary of Evidence

In all five problems, 80% or more students perform satisfactorily by completing the problem correctly. The success rate for each of the five problems is 94% (only one student out of the 18 students who completed the assessment was not able to perform satisfactorily).

5. Use of Results (Implications for Program Improvement & Planning)

From this assessment, students demonstrate that they can successfully declare and initialize variables in Java according a set of specifications. The combination of homework, lab exercises, and other teaching materials appear effective in helping students learn about Java variables.