

Java 6

Assessment Fact Sheet

Overview

The Java 6 test measures the candidate's knowledge of programming in Java 6. It is designed for experienced programmers and covers the following topics: Class Definition, Core Libraries, Integration Libraries, Practical Software Engineering, Support Libraries, Syntax, Tools, Virtual Machine, Visual Libraries. This test covers J2SE 1.2 through Java 6.

Job Level	Individual Contributor
Job Family/Title	Application Developer, Programmer

Details

Average Testing Time (minutes)	30 minutes
Allowed Time (minutes)	90 minutes
Maximum Number of Questions	30 questions
Number of Sitzings	One
Designed for Unproctored Environment	Yes
Question Format	Adaptive, Multiple Choice
Product Category	Brainbench IT

Knowledge, Skills, Abilities and Competencies Measured

Measures knowledge of the following Java 6 topics:

- Class Definition
- Core Libraries
- Integration Libraries
- Practical Software Engineering
- Support Libraries
- Syntax
- Tools
- Virtual Machine
- Visual Libraries

Example Questions

```
class A {
    int i=0;
    public A() { i=8; }
    public static void main(String args[]) {
        int i = 0;
        A h = new A();
        while (h.i <= 10) h.doIt();
    }
    public static void doIt() {
        i++;
        System.out.println("Hello");
    }
}
```

What happens when the sample code above is executed?

- a.) ☐ It prints "Hello" two times.
- b.) ☐ It prints "Hello" three times.
- c.) ☐ It prints "Hello" 11 times.
- d.) ☐ It does not compile because variable i has been declared twice.
- e.) ☐ It does not compile because doIt() cannot reference non-static variable i.

Example Reports

Test: Java 6

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Score: 1.59

Proficiency Level: Basic (1.51 - 2.50)

The candidate demonstrates an understanding of basic concepts of Java 6, including:

- Syntax
- Class Definition
- Virtual Machine

The candidate may be proficient with intermediate Java 6 concepts, such as:

- Core Libraries
- Visual Libraries
- Tools

The candidate will likely be challenged by more advanced Java 6 concepts such as:

- Practical Software Engineering
- Support Libraries
- Integration Libraries

Candidates scoring at the Basic level would benefit from formal training or self study in order to become more effective in Java 6.

Percentile Comparisons

The percentile score indicates how well the candidate scored relative to other candidates in the comparison population indicated by the score.

