

UNIX Programming (General)

Assessment Fact Sheet

Overview

The UNIX Programming (General) test measures a candidate's knowledge of programming language in an UNIX environment. This test is designed for experienced programmers.

Job Family/Title

Programmer

Details

Average Testing Time (minutes)

28 minutes

Allowed Time (minutes)

90 minutes

Maximum Number of Questions

30 questions

Number of Sitzings

One

Designed for Unproctored Environment

Yes

Question Format

Multiple Choice - Adaptive

Product Category

Information Technology

Knowledge, Skills, Abilities and Competencies Measured

Measures the knowledge of the following areas of programming in an UNIX environment:

- Design, Compile, and Profile Code
- Directories and Files
- I/O
- Interprocess Communication
- Language Concepts
- Process Control
- Process Relationships

Example Question

The system call
`connect()`
is used to open a `DATAGRAM` socket stream.

Referring to the code snippet above, which two system functions are used to read and write data when the socket is opened using this call?

a <input type="radio"/>	<code>socket()</code> and <code>protocol()</code>
b <input type="radio"/>	<code>send()</code> and <code>recv()</code>
c <input type="radio"/>	<code>bind()</code> and <code>connect()</code>
d <input type="radio"/>	<code>client()</code> and <code>server()</code>
e <input type="radio"/>	<code>accept()</code> and <code>listen()</code>

Example Report

Test: Unix Programming (General)

This report is confidential and its contents are intended to assist in the prediction of an applicant's work behavior. If you would like more information about this interpretive report or other products that SHL offers, please contact your account representative.

Score: 3.49

Proficiency Level: **Proficient** (2.51 - 3.50)

The candidate has mastered the basic concepts of Unix Programming (General), including:

- Files and Directories
- Unix Time Values/Utilities
- Process Relationships

The candidate demonstrates a clear understanding of intermediate Unix Programming (General) concepts, such as:

- Process Control
- Interprocess Communication

The candidate may have some knowledge of more advanced Unix Programming (General) concepts such as:

- Signals
- I/O

At the Proficient level, the candidate will be capable of working on most projects involving Unix Programming (General) with minimal assistance. However, the candidate will probably require more assistance with advanced concepts.

Percentile Comparisons

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

Percentile Comparisons		Low	Medium	High
	Percentile	25	75	95
Global Population	81			
Company Population	81			

Detail Item Results

Order	Question	Topic	Description	Skill Level	Time Taken (Seconds)	Is Correct
1	UNIX_PROG_GEN_BB_0220	Unix Time Values/Utilities	Make	Basic	20.3	Yes
2	UNIX_PROG_GEN_BB_0202	Process Control	Process Ownership	Intermediate	59.9	No
3	UNIX_PROG_GEN_BB_0084	Interprocess Communication	Sockets	Intermediate	55.3	Yes