

## Instruction Sheet for the Candidate

<b>Qualification</b>	Jr. Programmer JAVA ( <b>Mobile App, Web &amp; Game Development</b> )
<b>Competency Standards</b>	<ul style="list-style-type: none"> <li>• Create Environment for java programming</li> <li>• Develop Problem Solution Independent of any Programming Language</li> <li>• Develop Java based Solutions</li> <li>• Fix Error/Bugs in Program</li> </ul>
<b>Purpose of Assessment</b>	Summative Assessment
<b>Candidate Details</b>	Name _____ Registration/Roll Number _____
<b>Guidance for Candidate</b>	<p><b>To meet this standard, you are required to complete the following within 04 Hrs. time frame (for practical demonstration &amp; assessment):</b></p> <p>Download JDK and Eclipse IDE and install on your system. Draw flowchart that prints the prime numbers from a given list. Write Java program to print the prime numbers from an array. Fix the errors from the program.</p>
<b>Time: 04 Hrs.</b>	During a practical assessment, under observation by an assessor, you are required to
<b>Minimum Evidence Required</b>	<p><b>Download JDK and Eclipse IDE and install on your system. Draw flowchart that prints the prime numbers from a given list. Write Java program to print the prime numbers from an array. Fix the errors from the program.</b></p> <ol style="list-style-type: none"> <li>1. Download Java Development Kit</li> <li>2. Install Java IDE</li> <li>3. Setup Development Environment</li> <li>4. Break Down the Problem into Smaller Units</li> <li>5. Draw the Problem Solution using a Flowchart</li> <li>6. Solve the Problems using Java</li> <li>7. Identify the error/bug</li> <li>8. Remove the Syntax Error</li> <li>9. Remove the Logical Error</li> <li>10. Remove the Runtime Error</li> </ol>

## Self-Assessment Checklist

<b>Candidate Name</b>	
<b>Registration No.</b>	
<b>Qualification</b>	Jr. Programmer JAVA <b>(Mobile App, Web &amp; Game Development)</b>
<b>Competency Standards</b>	<ul style="list-style-type: none"> <li>• Create Environment for java programming</li> <li>• Develop Problem Solution Independent of any Programming Language</li> <li>• Develop Java based Solutions</li> <li>• Fix Error/Bugs in Program</li> </ul>
<b>Purpose of Assessment</b>	Summative Assessment
<b>Assessment Task</b>	Download JDK and Eclipse IDE and install on your system. Draw flowchart that prints the prime numbers from a given list. Write Java program to print the prime numbers from an array. Fix the errors from the program

I can.....

<b>Performance Criteria</b>	<b>Yes</b>	<b>No</b>
1. Download Java Development Kit	<input type="checkbox"/>	<input type="checkbox"/>
2. Install Java IDE	<input type="checkbox"/>	<input type="checkbox"/>
3. Setup Development Environment	<input type="checkbox"/>	<input type="checkbox"/>
4. Break Down the Problem into Smaller Units	<input type="checkbox"/>	<input type="checkbox"/>
5. Draw the Problem Solution using a Flowchart	<input type="checkbox"/>	<input type="checkbox"/>
6. Solve the Problems using Java	<input type="checkbox"/>	<input type="checkbox"/>
7. Identify the error/bug	<input type="checkbox"/>	<input type="checkbox"/>
8. Remove the Syntax Error	<input type="checkbox"/>	<input type="checkbox"/>
9. Remove the Logical Error	<input type="checkbox"/>	<input type="checkbox"/>
10. Remove the Runtime Error	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature\_\_\_\_\_ Assessor's Signature\_\_\_\_\_

Date: \_\_\_\_\_

## Assessors Judgment Guide

<b>Qualification</b>	Jr. Programmer JAVA ( <b>Mobile App, Web &amp; Game Development</b> )
<b>Competency Standards</b>	<ul style="list-style-type: none"> <li>Create Environment for java programming</li> <li>Develop Problem Solution Independent of any Programming Language</li> <li>Develop Java based Solutions</li> <li>Fix Error/Bugs in Program</li> </ul>
<b>Purpose of Assessment</b>	Summative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Signature: _____
<b>Assessment Outcome</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <span><b>COMPETENT</b> <input type="checkbox"/></span> <span><b>NOT YET COMPETENT</b> <input type="checkbox"/></span> </div> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

## Observation Checklist

<b>Assessment Task</b>	Download JDK and Eclipse IDE and install on your system. Draw flowchart that prints the prime numbers from a given list. Write Java program to print the prime numbers from an array. Fix the errors from the program.		
<b>During the practical assessment, candidate demonstrated the following:</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
1. Download Java Development Kit			
2. Install Java IDE			
3. Setup Development Environment			
4. Break Down the Problem into Smaller Units			
5. Draw the Problem Solution using a Flowchart			
6. Solve the Problems using Java			
7. Identify the error/bug			
8. Remove the Syntax Error			
9. Remove the Logical Error			
10. Remove the Runtime Error			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>	

## Knowledge Assessment

<b>Qualification</b>	Jr. Programmer JAVA ( <b>Mobile App, Web &amp; Game Development</b> )
<b>Competency Standards</b>	<ul style="list-style-type: none"> <li>Create Environment for java programming</li> <li>Develop Problem Solution Independent of any Programming Language</li> <li>Develop Java based Solutions</li> <li>Fix Error/Bugs in Program</li> </ul>
<b>Purpose of Assessment</b>	Summative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <span><b>COMPETENT</b> <input type="checkbox"/></span> <span><b>NOT YET COMPETENT</b> <input type="checkbox"/></span> </div> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Name any two repetition structures in Java.		
2.	Define abstract method.		

3.	Mention any two uses of <b>final</b> keyword in Java.		
4.	What is meant by static keyword?		
5.	Mention any two examples of logical errors.		

Feedback to the Candidate	
Candidate's Signature _____	Assessor's Signature _____