

## Instruction Sheet for the Candidate

<b>Qualification</b>	Android Developer ( <b>Mobile App, Web &amp; Game Development</b> )
<b>Competency Standard</b>	Build logic through Programming
<b>Purpose of Assessment</b>	Formative 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 03 Hrs. time frame (for practical demonstration &amp; assessment):</b></p> <ul style="list-style-type: none"> <li>• Set environment for Java</li> <li>• Build Complex Application</li> <li>• Build XML Application</li> <li>• Explore Best Programming Practices</li> </ul>
<b>Time: 03 Hrs.</b>	During a practical assessment, under observation by an assessor, you are required to
<b>Minimum Evidence Required</b>	<p><b>Set environment for Java</b></p> <ol style="list-style-type: none"> <li>1. Install/configure JDK</li> <li>2. Write/Code different programs using java/other languages for android development</li> </ol> <p><b>Build Complex Application</b></p> <ol style="list-style-type: none"> <li>1. Import libraries</li> <li>2. Build complex program using libraries</li> </ol> <p><b>Build XML Application</b></p> <ol style="list-style-type: none"> <li>1. Use XML Syntax</li> <li>2. Build XML (eXtensible Markup Language) Application</li> </ol> <p><b>Explore Best Programming Practices</b></p> <ol style="list-style-type: none"> <li>1. Build code and implement best naming convention</li> <li>2. Implement proper indentation</li> <li>3. Implement other best practices</li> </ol>

## Self-Assessment Checklist

<b>Candidate Name</b>	
<b>Registration No.</b>	
<b>Qualification</b>	Android Developer (Mobile App, Web & Game Development)
<b>Competency Standard</b>	Build logic through Programming
<b>Purpose of Assessment</b>	Formative Assessment
<b>Assessment Task</b>	<ul style="list-style-type: none"> <li>• Set environment for Java</li> <li>• Build Complex Application</li> <li>• Build XML Application</li> <li>• Explore Best Programming Practices</li> </ul>

I can.....

Performance Criteria	Yes	No
1. Install/configure JDK	<input type="checkbox"/>	<input type="checkbox"/>
2. Write/Code different programs using java/other languages for android development	<input type="checkbox"/>	<input type="checkbox"/>
3. Import libraries	<input type="checkbox"/>	<input type="checkbox"/>
4. Build complex program using libraries	<input type="checkbox"/>	<input type="checkbox"/>
5. Use XML Syntax	<input type="checkbox"/>	<input type="checkbox"/>
6. Build XML (eXtensible Markup Language) Application	<input type="checkbox"/>	<input type="checkbox"/>
7. Build code and implement best naming convention	<input type="checkbox"/>	<input type="checkbox"/>
8. Implement proper indentation	<input type="checkbox"/>	<input type="checkbox"/>
9. Implement other best practices	<input type="checkbox"/>	<input type="checkbox"/>

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

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



## Observation Checklist

<b>Assessment Task</b>	<ul style="list-style-type: none"> <li>Set environment for Java</li> <li>Build Complex Application</li> <li>Build XML Application</li> <li>Explore Best Programming Practices</li> </ul>			
<b>During the practical assessment, candidate demonstrated the following:</b>		<b>Yes</b>	<b>No</b>	<b>Remarks</b>
1.	Install/configure JDK			
2.	Write/Code different programs using java/other languages for android development			
3.	Import libraries			
4.	Build complex program using libraries			
5.	Use XML Syntax			
6.	Build XML (eXtensible Markup Language) Application			
7.	Build code and implement best naming convention			
8.	Implement proper indentation			
9.	Implement other best practices			
<b>Competent</b> <input type="checkbox"/>		<b>Not Yet Competent</b> <input type="checkbox"/>		

## Knowledge Assessment

<b>Qualification</b>	Android Developer (Mobile App, Web & Game Development)
<b>Competency Standard</b>	Build logic through Programming
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<p style="text-align: center;"> <b>COMPETENT</b> <input type="checkbox"/> <span style="margin-left: 200px;"><b>NOT YET COMPETENT</b> <input type="checkbox"/></span> </p> 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.

	<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	<b>Satisfactory</b>	<b>Not Satisfactory</b>
1.	Differentiate between Classes and Objects. _____ _____		
2.	Differentiate between JRE and JDK. _____ _____		

3.	Define polymorphism.		
4.	Define element in XML.		
5.	Name any two benefits of XML.		
6.	What are the differences between HTML and XML?		
7.	What is XML DOM?		
8.	What is an attribute?		

<b>Feedback to the Candidate</b>

<b>Candidate's Signature</b> _____ <b>Assessor's Signature</b> _____