

## Instruction Sheet for the Candidate

|                                  |   |
|----------------------------------|---|
| <b>Qualification</b>             | Jr. Programmer JAVA ( <b>Mobile App, Web &amp; Game Development</b> )   |
| <b>Competency Standard</b>       | Create Environment for Java Programming   |
| <b>Purpose of Assessment</b>     | Formative Assessment  |
| <b>Candidate Details</b>         | Name_____<br>Registration/Roll Number_____  |
| <b>Guidance for Candidate</b>    | <b>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration &amp; assessment):</b> <ul style="list-style-type: none"> <li>• Download Java Development Kit</li> <li>• Install Java IDE</li> <li>• Setup Development Environment</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> | <b>Download Java Development Kit</b> <ol style="list-style-type: none"> <li>1. Find the URL to Download JDK</li> <li>2. Check the JDK Version</li> <li>3. Check the Compatibility of JDK for required Operating System</li> <li>4. Download the JDK</li> <li>5. Install JDK</li> </ol> <b>Install Java IDE</b> <ol style="list-style-type: none"> <li>1. Search the different JAVA IDEs</li> <li>2. Choose suitable Java IDE e.g. Eclipse, NetBeans, Notepad++ etc.</li> <li>3. Install the required IDE</li> </ol> <b>Setup Development Environment</b> <ol style="list-style-type: none"> <li>1. Set the environment variables according to OS</li> <li>2. Write first program on installed IDE</li> <li>3. Compile the Java Source Code</li> <li>4. Run the Byte Code</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 Standard</b>   | Create Environment for Java Programming  |
| <b>Purpose of Assessment</b> | Formative Assessment   |
| <b>Assessment Task</b>       | <ul style="list-style-type: none"> <li>Download Java Development Kit</li> <li>Install Java IDE</li> <li>Setup Development Environment</li> </ul> |

I can.....

| <b>Performance Criteria</b>  | <b>Yes</b>               | <b>No</b>                |
|--|--------------------------|--------------------------|
| 1. Find the URL to Download JDK                                    | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Check the JDK Version   | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Check the Compatibility of JDK for required Operating System    | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Download the JDK  | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Install JDK   | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Search the different JAVA IDEs                                  | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Choose suitable Java IDE e.g. Eclipse, NetBeans, Notepad++ etc. | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Install the required IDE  | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Set the environment variables according to OS                   | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Write first program on installed IDE                           | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Compile the Java Source Code                                   | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Run the Byte Code  | <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 Standard</b>   | Create Environment for Java Programming   |
| <b>Purpose of Assessment</b> | Formative Assessment  |
| <b>Candidate Details</b>     | Name: _____<br>Registration/Roll Number: _____ Signature: _____   |
| <b>Assessment Outcome</b>    | COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/><br>Name of the Assessor _____<br>Assessor's code: _____<br>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>  | <ul style="list-style-type: none"> <li>Download Java Development Kit</li> <li>Install Java IDE</li> <li>Setup Development Environment</li> </ul> |  |           |                |
| <b>During the practical assessment, candidate demonstrated the following:</b> |  | <b>Yes</b>                                 | <b>No</b> | <b>Remarks</b> |
| 1.  | Find the URL to Download JDK   |  |           |                |
| 2.  | Check the JDK Version  |  |           |                |
| 3.  | Check the Compatibility of JDK for required Operating System   |  |           |                |
| 4.  | Download the JDK   |  |           |                |
| 5.  | Install JDK  |  |           |                |
| 6.  | Search the different JAVA IDEs   |  |           |                |
| 7.  | Choose suitable Java IDE e.g. Eclipse, NetBeans, Notepad++ etc.  |  |           |                |
| 8.  | Install the required IDE   |  |           |                |
| 9.  | Set the environment variables according to OS  |  |           |                |
| 10.   | Write first program on installed IDE   |  |           |                |
| 11.   | Compile the Java Source Code   |  |           |                |
| 12.   | Run the Byte Code  |  |           |                |
| 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 Standard</b>   | Create Environment for Java Programmer  |
| <b>Purpose of Assessment</b> | Formative Assessment  |
| <b>Candidate Details</b>     | Name: _____<br>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: _____<br>Assessor's code: _____<br>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.  | What does IDE stand for? |              |                  |
|   |                          |              |                  |
| 2.  | Name any two Java IDEs.  |              |                  |
|   |                          |              |                  |
| 3.  | Define JDK.              |              |                  |

|  |
|--|
| <b>Feedback to the Candidate</b>                                     |
|  |
|  |
|  |
|  |
|  |
|  |
| <b>Candidate's Signature</b> _____ <b>Assessor's Signature</b> _____ |