**DAILY ASSESSMENT FORMAT**

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| **Date:** | **11-06-2020** | **Name:** | **Bhavith** |
| **Course:** | **Java** | **USN:** | **4AL17EC009** |
| **Topic:** | **Programming using Java** | **Semester & Section:** | **6th,A** |
| **Github Repository:** | **Bhavith-Online-Courses** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **Screenshot (144)** |
| **Report – Report can be typed or hand written for up to two pages.**   * **Java is a [general-purpose](https://en.wikipedia.org/wiki/General-purpose_language" \o "General-purpose language) [programming language](https://en.wikipedia.org/wiki/Programming_language" \o "Programming language) that is [class-based](https://en.wikipedia.org/wiki/Class-based_programming" \o "Class-based programming), [object-oriented](https://en.wikipedia.org/wiki/Object-oriented_programming" \o "Object-oriented programming), and designed to have as few implementation [dependencies](https://en.wikipedia.org/wiki/Dependency_(computer_science)" \o "Dependency (computer science)) as possible.** * **It is intended to let [application developers](https://en.wikipedia.org/wiki/Application_developer" \o "Application developer) *write once, run anywhere* (WORA),meaning that [compiled](https://en.wikipedia.org/wiki/Compiler" \o "Compiler) Java code can run on all platforms that support Java without the need for recompilation.** * **Java applications are typically compiled to [bytecode](https://en.wikipedia.org/wiki/Java_bytecode" \o "Java bytecode) that can run on any [Java virtual machine](https://en.wikipedia.org/wiki/Java_virtual_machine" \o "Java virtual machine) (JVM) regardless of the underlying [computer architecture](https://en.wikipedia.org/wiki/Computer_architecture" \o "Computer architecture).** * **The [syntax](https://en.wikipedia.org/wiki/Syntax_(programming_languages)" \o "Syntax (programming languages)) of [Java](https://en.wikipedia.org/wiki/Java_(software_platform)" \o "Java (software platform)) is similar to [C](https://en.wikipedia.org/wiki/C_(programming_language)" \o "C (programming language)) and [C++](https://en.wikipedia.org/wiki/C++" \o "C++), but it has fewer [low-level](https://en.wikipedia.org/wiki/Low-level_programming_language" \o "Low-level programming language) facilities than either of them.** * **As of 2019, Java was one of the most [popular programming languages in use](https://en.wikipedia.org/wiki/Measuring_programming_language_popularity" \o "Measuring programming language popularity) according to [GitHub](https://en.wikipedia.org/wiki/GitHub" \o "GitHub),particularly for [client-server](https://en.wikipedia.org/wiki/Client%E2%80%93server" \o "Client–server) [web applications](https://en.wikipedia.org/wiki/Web_applications" \o "Web applications), with a reported 9 million developers.** * **Java was originally developed by [James Gosling](https://en.wikipedia.org/wiki/James_Gosling" \o "James Gosling) at [Sun Microsystems](https://en.wikipedia.org/wiki/Sun_Microsystems" \o "Sun Microsystems) ([which has since been acquired by Oracle](https://en.wikipedia.org/wiki/Sun_acquisition_by_Oracle" \o "Sun acquisition by Oracle)) and released in 1995 as a core component of Sun Microsystems' [Java platform](https://en.wikipedia.org/wiki/Java_(software_platform)" \o "Java (software platform)).** * **The original and [reference implementation](https://en.wikipedia.org/wiki/Reference_implementation" \o "Reference implementation) Java [compilers](https://en.wikipedia.org/wiki/Compiler" \o "Compiler), virtual machines, and [class libraries](https://en.wikipedia.org/wiki/Library_(computing)" \o "Library (computing)) were originally released by Sun under [proprietary licenses](https://en.wikipedia.org/wiki/Proprietary_license" \o "Proprietary license).** * **As of May 2007, in compliance with the specifications of the [Java Community Process](https://en.wikipedia.org/wiki/Java_Community_Process" \o "Java Community Process), Sun had [relicensed](https://en.wikipedia.org/wiki/Software_relicensing" \o "Software relicensing) most of its Java technologies under the [GNU General Public License](https://en.wikipedia.org/wiki/GNU_General_Public_License" \o "GNU General Public License).** * **Meanwhile, others have developed alternative implementations of these Sun technologies, such as the [GNU Compiler for Java](https://en.wikipedia.org/wiki/GNU_Compiler_for_Java" \o "GNU Compiler for Java) (bytecode compiler), [GNU Classpath](https://en.wikipedia.org/wiki/GNU_Classpath" \o "GNU Classpath) (standard libraries), and [IcedTea](https://en.wikipedia.org/wiki/IcedTea" \o "IcedTea)-Web (browser plugin for applets).** |