**Programming Fundamentals**

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| **Course Description** | | | |
| **Course No:** Programming 03 | | **Course Name :**Java Core | |
| **Author:** Prof .P. Sathishkumar | |
| **Pre Requisite** Basic Programming software development | | | |
| **Stream**  Project Management  Customer Consulting | **Target Role**  Software Engineering  Programmer Analyst  Project Manager | | **Competence**  Technical Knowledge  Programming  Design |
| **Estimated Duration : 1 Day** | **Session :**4Hrs  **Hands-on :**2Hrs  **Query :**30mins (F.N |AN) | | |
| **Course Objectives** | | | |
| **Objective** | | **Demonstrable knowledge/skills** | |
| To enable the participants to solve problems using the top down approach. | | Ability to think, analyse and write succinct, clear and efficient algorithm for a given problem | |
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| To enable the participants to Handle Data | | Ability to understand and utilize the variety of data and its limits | |
| To enable the participants to work with operators | | Ability to think and analyse the operations required to solve | |
| To enable the participants to handle branching and decision | | Knowledge of conditional criteria’s for decision making and iterative | |
| To enable the participants to solve problems using modular approach through use of functions | | Ability to write modular programs using concept to functions. Understand the various categories of functions such as iterative / recursive and normal functions | |

**Reference :**

Java Complete Reference 7th Edition Herbert Schildt