**Digital
Learning
Hub_**

Certificate of participation

Issued to : Arsen TURELYK

Title of the course :

JAVA - Object Oriented Programming in Java

Date of the course : from 23/10/2023 to 27/10/2023

Hours of training : 20 (100%)

Attendance rate : 100%

Esch-sur-Alzette, 30 October 2023

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JAVA - Object Oriented Programming in Java

Content

- Object-Oriented Programming concepts
- Classes and objects
- Inheritance and polymorphism
- Encapsulation and accessibility
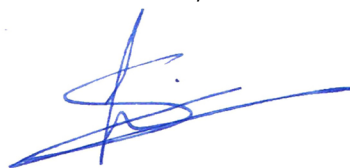- Exceptions

Objectives

This programming course uses a practical training model. Each course section introduces the topics with brief presentations and task modelling, which is followed directly by learner application and hands-on practice with exercises and projects. Learners will work with Object-Oriented Programming to organize code in an efficient way using classes and their characteristics and principles. In addition, we will address exceptions that might occur, and how to handle them. Building on the contents of Modules 1 & 2, participants will learn more advanced concepts in programming with Java, to continue their path towards becoming a Java Developer.

Learning Outcomes

On completion of this course, learners will be able to

- use Object-Oriented Programming principles
- organize the elements and features in a software through classes and methods
- translate real word scenarios into a logical and functional code
- solve problems
- handle exceptions that might occur in their code execution
- design and develop complex software using Java

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