

## Fundamentals of Java Programming

**Andrei-Serban Balalia**

Student's Name

**During the Fundamentals of Java Programming course, administered by the undersigned instructor, the student was able to proficiently:**

Date: Apr 5, 2023  
Instructor: Paul-Gabriel Fratila  
Location: Bucuresti  
Academy: InfoAcademy



Instructor's Signature

- Declare variables and apply access control modifiers to store and manipulate data.
- Control program flow using iteration and decision structures
- Create and use arrays
- Apply the principles of Object-Oriented Programming when creating an application
- Utilize the Java API documentation.
- Use predefined classes for manipulating strings, date/time, mathematical operations etc
- Create a Graphical User Interface (GUI) using JFC/Swing
- Implement exception handling in an application
- Write applications that use Java's I/O facilities
- Manipulate collections of objects using the Java Collections Framework
- Write code that declares and utilizes Java generic types
- Create programs that implement multi-threading and concurrency
- Interact with SQL databases using JDBC