



of proficiency in the C++ programming language

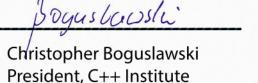
## **Essam A. El-Sherif**

is a C++ Certified Associate
Programmer - CPA

Exam Version: CPA-21-02

## Scope

- Basic data types and flow control
- Functions and function overloading
- Data aggregates
- Fundamentals of the object-oriented approach
- Class hierarchy and inheritance
- User-defined operators and exceptions





This certificate can be verified at verify.openedg.org

Code: PmmQ.F2o4.LgbX

