FUNDAMENTAL PYTHON PROGRAMMING

This course was developed by the OpenEDG Python Institute, and is provided to all audiences to enhance, develop, and support professional careers in Python programming and related technologies. The course covers the basics of Python programming, as well as general computer programming concepts and techniques. The course familiarizes learners with the procedural approach to programming and covers the following topics:

Course Outcomes: Upon completion, learners will be able to:

- ✓ an ability to design, develop, and improve simple computer programs written in Python
- ✓ knowledge suitable for learning another programming language
- ✓ sufficient competence for taking the PCEPTM exam to obtain the corresponding certification
- ✓ skills needed to participate in the Python Essentials 2 course
- ✓ skills and knowledge to perform at a junior-level job
- ✓ the possibility to continue personal development through self-education and self-improvement

Course duration: 45h (7.5 weeks by 6h) from January 26 – March 27
Course schedule: Mondays, Wednesdays and Friday from 18:00 pm to 20:00 pm
Course language: Khmer

Course Curriculum followed by Cisco Academy

- Module 1: Develop an awareness of programming languages
- Module 2: Python Data Types, Variables, Operators, and Basic I/O Operations
- Module 3: Boolean Values, Conditional Execution, Loops, Lists, and List Processing. Logical and Bitwise Operations
- Module 4: Functions, Tuples, Dictionaries, Exceptions, and Data Processing
- Final Test