Usbong™

USBONG Education Training Course Guide

Introduction to Computer Programming with Python
Course Number: Usbong486Py
Period: 5 Days; 1 Hour per Day
Form: Lecture + Practice

Course Description:
In this training course, we learn to write instructions for the computer to execute. We note that computers can only execute instructions that are in a language that they understand. In this case, we learn to use the Python computer language as a stepping stone to computer programming on machines whose operating system may not necessarily be Microsoft Windows.

Target Participants:
Medical Secretaries
Health Workers

Prerequisites:
Knowledge of Computer Navigation

Course Content:
Python Tutorial: Select Chapters
Core Concepts:
1) Input and Output
2) Containers: Variables
3) Conditions and Branching
4) Loops
5) Graphics and Shapes
6) Subroutines/Modules
7) Containers: Arrays/Lists
8) Events and Interactivity

Technology:
Python Computer Language

After completing this training course, the participant can do the following:
Computer Programming using the course content's core concepts

Reference:
1) Rossum, Guido, et al. (2020). "Python Tutorial Release 3.8.3".
https://docs.python.org/3/download.html; last accessed: 20200611

Recommended Reading:
1) Microsoft. (uncertain). "Microsoft Small Basic: An Introduction to Programming". https://smallbasic-publicwebsite.azurewebsites.net/tutorials; last accessed: 20200611

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