



01001

How to Program



Course Details

Course No	01001
Course Name	How to program
Course Type	Special
Course Cost	300 JD
No of Lectures	46 Lectures
No of Hours	92 Hours
Lecturer	Mohammad Al-Jada
Text Book	FD How to Program

Introduction

Every programmer or a new person who wants to learn programming thinks that the main or major thing to start with is to chose the programming language like VB, C# , .NET, or C++ , etc. then start to learn the coding using this language! Is this the right way to learn how to program?

The major problem that faces all new and professional programmers is how to start writing a program, how to fix the problem, how to produce a software as the customer needs, how to know when to use – Not the programming language or DB system – the proper keywords for programming, when to use FOR or DO when to use CHAR or STRING, when to use INTEGER or DOUBLE, or what kind of data structure to use to solve a problem, what kind of data base structure use to store DATA, what kind of user interface the software needs, and so on...

This course is for any programmer who wants to be a professional one, to program and solve every software problem, to know how to start solving a problem, when to use a specific keyword, when to use Data Structure functions and how to use it? How to manage the database tables and relationships? How to connect Database to the software in the correct way? When to use functions, when to use subroutines? ...

Lectures

Subject	Lectures
What is programming?	2
How humans communicate?	1
How to communicate with computer?	1
What computer can understand?	2
Understanding Hardware system for programmers	2
Understanding Software system for programmers	2
How to construct a program?	2
Analyze problem	2
Understanding program structure	2
How to start programming?	2
Windows applications VS WEB application	2
User Interface Design	2
What is variable system? and how to use it?	2
What is loop? and how to use it?	2
What is IF statement? and how to use it?	2
What is Data Structures? and how to use it?	2
What is Data Base? and how to use it?	2

Data Base and SQL	2
What is an algorithm? and how to use it?	2
What is a function? and how to use it?	2
What is a subroutine? and how to use it?	2
What is files? and how to use it?	2
What is DLL? and how to use it?	2
Network Interfacing	2