

C Sharp Programming Language (Beginners' and Intermediate Course)

سي شارب	اسم الحقيبة باللغة العربية:
Language Programming(C)Csharp	اسم الحقيبة باللغة الانجليزية:
Muhammad Ghozlan	اسم منظم الحقيبة التدريبي مدرب أو مؤسسة تدريب

أهداف التدريب:

1. Learning the essentials of Programming languages
2. Learning The OOP (Object Oriented Programming)
3. Building a real-life program
4. Solving problems based on the best algorithm (way to solve the problem)



الفئات المستهدفة من التدريب:

1. Programmers (who works in the field of programming)
2. College students (who are studying IT)

نبذة تعريفية عن الدورة التدريبية:

C# is a programming language that was developed and initiated by Microsoft in 2000 as a part of the .NET framework. In this course cover the essentials of C# Programming languages is going to be fully covered in the most comprehensible way in the beginners' course, moreover, some real-life conundrums are going to be presented to be solved using the ideologies and skills taken by this course.

In the advanced course, the object-oriented programming (OOP) is going to be discussed using C# as a way to make the code more efficient and useable, Although, this course is where the real programming skills will take a place, nevertheless, this step can't be taken without the first course, so, it is a complementary course for the first one, whereas, the first one can be a stand alone course.

الحقيبة حققت معايير الاعتماد الدولي من OAB-UK، كود اعتماد الحقيبة الدولي: **31664000821010002CSH**

محاوَر الحَقِيبة التَدْرِيبِيَة

Course topics	Hours
Lesson 1: Introduction	2
Topic 1: C# Vs. .NET/ CLR/ Architecture of .NET Applications	
Topic 2: First C# Application	
Lesson 2: Primitive Types and Expressions	4
Topic1: Variables and Constants	
Topic 2: Overflowing	
Topic 3: Scope	
Topic4: Types of Conversions	
Topic 5: Operators	
Topic6: Logical Operators and Mathematical Operators'	
Topic 7: Comments	
Lesson 3: Non-Primitive Types	4
Topic 1: Classes	
Topic 2: Structs	
Topic 3: Arrays	

Topic 4: Strings	
Topic 5: Enums	
Topic6: Reference Types and Value Types	
Topic 7: Revision	
Lesson 4: Control Flow	4
Topic1: Conditional Statements (IF, IF Else, nested IF and Switch)	
Topic2: Iteration Statements (For, Wile, do While, Foreach)	
Topic3: Random Classes	
Topic4: Control Flow Revision	
Lesson 5: Arrays and lists	2
Topic 1: Arrays	
Topic 2: Lists	
Lesson 6: Working with Dates	2
Topic 1: Date Time	
Topic 2: Time Span	
Lesson 7: Working with Texts	
Topic 1: String	

Topic2: Summarizing Text	
Topic3: String Builder	

Topic 4: Live Coding	
Lesson 8: Working with Files	2
Topic1: Working with Files	
Topic 2: Namespaces	
Topic3: File and File Info	
Topic4: Directory and Directory Info	
Lesson 9: Debugging Applications	2
Topic1: Debugging Tools	
Topic2: Removing Side Effects	
Topic3: Defensive Programming	
Topic4: Call Stack Windows	
Topic5: Locals and Auto Windows	
Topic6: Debugging Applications	

Please Note that after each lesson there is a quiz related to the given material and subject.



IAO Regional Director

OAB Authority Director

Organizer

Hub

Nathier Qasi

Oxford Language Center



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