# Object-oriented Programming with C#

Tahaluf  Training Center  2021

شركــة تحالــف الإمـــارات للحـــول التقنيــة ذ.م.م.
TAHALUF AL EMARAT TECHNICAL SOLUTIONS L.L.C.

# Day 5

**1** **Exercise 1**

**2** **Exercise 2**

**3** **Exercise 3**

Create a C# program that implements a function called **IsAlphabetic** that receives a text parameter from the user and check if the text has alphabetic characters from 'a' to 'z' including upper and lower case letters.

# Day 5

**1**  **Exercise 1**

**2**  **Exercise 2**

**3**  **Exercise 3**

Create a C# program that implements an abstract class Animal that has a Name property of type text and three methods SetName (string name), GetName, and Eat.

- The Eat method will be an abstract method of type void.

You will also need to create a Dog class that implements the above Animal class and the Eat method that says the dog is Eating.

To test the program ask the user for a dog name and create a new Dog type object from the Main of the program, give the Dog object a name, and then execute the GetName and Eat methods.

# Day 5

**1** **Exercise 1**

**2** **Exercise 2**

**3** **Exercise 3**

Create the classes required to store data regarding different types of courses.

All courses have a name, duration, and course fees. Some courses are part-time where you have to store the timing for the course.

Some courses are on site where you have to store the company name and the no. of candidates for the course. For the onsite course, we charge 10% more on the course fee. For part-time courses, we offer a 10% discount.

Provide constructors and the following methods:
• Print()
• GetTotalFee()