**ASP.net Web Apps**

# Logbook 2 (Unit 4)

Task 1 (5 marks)

Complete Step 1 of the [ASP.NET Core Razor Pages Contoso University](https://docs.microsoft.com/en-us/aspnet/core/data/ef-rp/intro?view=aspnetcore-2.1&tabs=visual-studio) tutorial by clicking on the hyperlink here:

Provide suitable evidence in the form of screenshots that you have:

1. Successfully setup the ASP.NET core web app
2. Created the data model
3. Scaffolded the student model
4. Initialised the database with test data

The evidence should include:-

* The name of the GitHub repository that contains your ASP.NET code.
* A screen shot Student Index web page in the browser that clearly has your name in it.
* A screen shot of your database structure
* [INSERT ANSWER HERE]

**Question 2 (1 mark): Explain one benefit of LINQ instead of SQL Queries**

[INSERT ANSWER HERE]

Question 3 (1 marks): Research the following concepts and explain in your own words what they are and how they differ from each other

* Database First
* Model First
* Code First

(Reference: [https://msdn.microsoft.com/en-us/library/ms178359.aspx#dbfmfcf)](https://msdn.microsoft.com/en-us/library/ms178359.aspx#dbfmfcf)

[INSERT ANSWER HERE]

Question 4 (1marks): Explain the difference between a database Entity and a C# class using the Student class and the Student entity

[INSERT ANSWER HERE]

Question 5 (1 mark): Paste in an image of the class diagram for Contoso University including Student, Enrollment and Course.

[INSERT ANSWER HERE]

Question 6 (1 mark): Paste in an image of the Entity-Relational diagram for Contoso University including Student, Enrollment and Course.

[INSERT ANSWER HERE]