**ASP.NET Homework 02**

**Question 1**

What is the difference between Visual Studio and Visual Studio Code?

**Answer**

Kk

**Question 2**

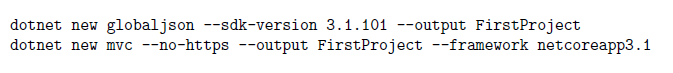
What is LocalDB?

**Answer**

It is a feature of SQL Server Express targeted to developers. LocalDB installation copies a minimal set of file necessary to start the SQL Server Database Engine. Once LocalDB is installed, you can initiate a connection using a special connection string.

**Question 3**

What do these commands do?



**Answer**

The first command creates a folder named First Project and adds to it a file name global.json, which specifies the version of .NET Core that the project will use; this ensures you get the expected results when following the examples. The second command creates a new ASP.NET Core project. The .NET Core SDK includes a range of templates for starting new projects, and the mvc template is one of the options available for ASP.NET Core applications. This project template creates a project that is configured for the MVC Framework, which is one of the application types supported by ASP.NET Core.

**Question 4**

What command do you use to build an ASP.NET project from the command line? What command do you use to run the project?

**Answer**

Donet run is how you run it.

**Question 5**

What is the purpose of an endpoint?

**Answer**

Gives your application directions to a final destination. Incoming request are handled by endpoints.

**Question 6**

What is a controller?

**Answer**

A Controller is a C# class that is derived from Microsoft.AspNetCore.Mvc.Controler class, the built-in base class.

**Question 7**

Where are actions defined?

**Answer**

Each public method defined by a controller is an action, which means you can invoke he action method to handle an HTPP request.

**Question 8**

What is the purpose of the routing system?

**Answer**

A routing system is responsible for selecting the endpoint that will handle an HTTP request.

**Question 9**

Assume that you ASP.NET application runs in a browser with a URL like <http://localhost:5000>. List the three default routes configured by the ASP.NET Core routing system.

**Answer**

Localhost/-

Localhost/home – this is the name of the controller

Localhost/home/index – this is the name of the controller/action – method

127.0.0.1/home/index/about

Int the controller you would have method defined something like this:

Public ViewResult about()

{

………

}

**Question 10**

What does the ViewResult object instruct AS.NET Core to do?

**Answer**

It renders a view. When I return a ViewResult object from an action method, I am instructing ASP.NET Core to render a view.

**Question 11**

How does ASP.NET Core know what View is to be called from an action method?

**Answer**

View is a user interface. It is what the user sees. By calling the View method, specifying the name of the view you want to use. In the controller you have a class that is a controller in there is action methods the name of the method is going to be the same name of the view. Looks for a view with the same name of the method.

**Question 12**

What is the job of an action method?

**Answer**

Action methods are responsible to execute requests and generate response to it. By default, it generates a response in the form of ActionResult. Actions typically have a one-to-one mapping with user interactions.

