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ISTA322 Hw 01

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

Visual Studio can be resource-hungry and slow, while Visual Studio Code is a light-weight alternative that is

perfectly capable of handling ASP.NET Core development.

2.What is LocalDB?

It is a database component. LocalDB is a lightweight version of the SQL Server Express Database Engine that is targeted for program development. LocalDB starts on demand and runs in user mode, so there is no complex configuration. SQL Server is the Microsoft-driven relational database management system.

3.What do these commands do?

dotnet new globaljson --sdk-version 3.1.101 --output FirstProject

(This command creates a folder named FirstProject and adds to it a file named global.json, which specifies the version

of .NET Core that the project will use)

dotnet new mvc --no-https --output FirstProject --framework netcoreapp3.1

(This command creates a new ASP.NET Core project. The .NET Core SDK includes a range of templates for starting

new projects)

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?

(dotnet new globaljson --sdk-version 3.1.101 --output FirstProject

dotnet new mvc --no-https --output FirstProject --framework netcoreapp3.1) build ASP.NET project

(dotnet run) use to run the project

5.What is the purpose of an endpoint?

Use to handle incoming requests. Each endpoint consists of the following: 1. Address: The address uniquely identifies the endpoint and tells potential consumers of the service where it is located.

6.What is a controller?

A controller determines what response to send back to a user when a user makes a browser request.

Controller define what action should do.

7.Where are actions defined?

In a controller.

8.What is the purpose of the routing system?

Responsible for selecting the endpoint that will handle an HTTP request

9.Assume that your 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.

/

/Home

/Home/Index

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

Instructing ASP.NET Core to render a view to the response

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

By calling the View method, specifying the name of the view that I want to use.

12.What is the job of an action method?

To construct data and pass it to the view so it can be used to create HTML content based on the data values

13.What is a view model?

The data provided to the view by using Action methods and passing arguments to the View method.