PRACTICE ASSIGNMENT ANSWERS

**Q.** **Difference between ASP.NET MVC and ASP.NET CORE**

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| **ASP.NET MVC** | **ASP.NET CORE** |
| ASP.NET framework is a highly testable and powerful framework | ASP.NET Core is a "learn and compose" based framework to develop an application |
| We can create applications in ASP.NET (.asp) or Razor page | It mainly focuses on fully open source and ASP.NET Core available |
| MVC has three major parts - Model, View and Controller | It's cross platform, which means you can use it on Windows, Mac or Linux. |

**Q. Why .NET CORE API is the Future**?

* .NET Core is an open-source, free, multi-platform framework from Microsoft; it replaces .NET Framework.
* The open-source philosophy behind .NET Core, combined with its features, makes it increasingly popular with developers.
* . NET Core is one of the faster frameworks in the market.
* As far as APIs or Web services, .NET Core is in the top three in performance.
* .NET Core is its support of C#, one of the most popular programming languages currently in use.
* .NET Core offers more and more components and libraries for use.

**Q. What is API and Benefits of using API for Database Connection?**

* An application programming interface, or API, enables companies to open up their applications’ data and functionality to external third-party developers and business partners, or to departments within their companies.
* An API is a set of defined rules that explain how computers or applications communicate with one another.
* While the data transfer will differ depending on the web service being used, this process of requests and response all happens through an API.
* **Benefits of API** 
  + - * Ease of integration

#### Better integration

#### Automating tasks

#### Improved services