**KampusLearn-ASP .Net Core MVC**

KampusLearn application is an e-platform for online training. The application displays different types of details like Trainers, Courses, Batches. We need to develop the application to support the MVC application with entity framework Db- First approach.

**Database :**

Create a DB called, KampusLearn\_CoreDB. Create tables as follows:-

Trainers:-

|  |  |
| --- | --- |
| TrainerId | Int, with identity and primary key |
| TrainerName | Varchar(20) |
| Skills | Varchar(50) |
| YearsOfExperience | int |
| Contact | bigint |

Courses:

|  |  |
| --- | --- |
| CourseId | Int, with identity and primary key |
| CourseName | Varchar(100) |
| Technology | Varchar(20) |
| Price | int |
| DurationInHours | int |

Batches:

|  |  |
| --- | --- |
| BatchId | Int, with identity and primary key |
| BatchName | Varchar(100) |
| StartDate | Date |
| EndDate | Date |
| TrainerId | Int foreign key referenced from Trainer |
| CourseId | Int foreign key referenced from Course. |

Create an ASP .Net Core MVC application.

Scaffold The Database :

Install the EntityFrameworkCore.SQLserver and EntityframeworkCore.Tools and execute the ‘**Scaffold-DbContext’** command with required options like connection and provider and create the respective Domain classes and DBContext class inside the Models folder.

**Startup.cs:**

Register the DbContext class in the service container available in the Startup.cs.

**Controllers:**

Create Courses controller with action methods required for the CRUD operation using the DbContext class.

Create Trainers controller with action methods required for the CRUD operation using DbContext class.