

## Classroom Database EF Core

We will be recreating the Classroom lab from the beginning of bootcamp using Entity framework.

- Create a class called student
  - Public int StudentId { get; set; }
  - Public string Name { get; set; }
  - Public string Food { get; set; }
  - Public string Hometown { get; set; }
- Create a class called ClassContext
  - Public DbSet<student> Students { get; set; }
  - protected override void OnConfiguring
    - Follow slides on how to create. In the connection string, change “Database=efconsole1” to “Database=ClassroomLab”
- Run through slides to migrate all of the data
- In your program file, create a method called CreateDB.
  - This should create 1 new student for everyone in the class.
  - Add their name, favorite food and hometown to the student.
  - Once all students have been added, save the changes to the DB.
  - **Run this method once, then comment it out. We only want it to fill the db**
- Create another method called DisplayAllDB
  - Loop through all of the students and display their StudentId and their name
- Create another method called DisplayStudentDB
  - Ask for the user to pick a studentId.
  - Use Linq to grab the right student.
  - Display the students favorite food and their hometown

### Extra credit

- Make your code run CreateDB if the database is empty
- Make your code loop for as many times as they want to display students
- Validation on inputs