

WebAPI Lab1

1-Implement HTTP web service that manage SD courses :

Use this static list as your Data Source

```
public static List<Course> Courses = new List<Course>()
{
    new Course() {id = 1 , name ="C" , Duration= 60 , Description ="intro to .net and c# Basics" },
    new Course() {id = 2 , name ="SQL" , Duration=50 , Description ="Structure Query Language" },
    new Course() {id = 3 , name ="Asp.net" , Duration= 36 , Description ="Server Side Programming" },
    new Course() {id = 4 , name ="MVC" , Duration= 30 , Description ="Server Side Programming" },
};
```

Service includes the following methods(Don't Change Method Name):

- **get ()**
 - If found any course : return 200 status code + List<course>.
 - If not found any course: return 404 status code .
- **deleteCourse(id)**
 - If id not found in course list: return 404 status code
 - If course found : delete it and return 200 status code + List<course> .
- **put(id, course)**
 - If id != course.id : return 400 status code.
 - If id not found in course list : return 404 status code.
 - If found : update course and return 204 status code.
- **post(course)**
 - If course parm == null :return 400 status code
 - If course parm != null :add course to list and return 201 status code.
- **getById(id)**
 - if id not found in course list : return 404 status code .
 - if course found : return 200 status code + course.
- **couseByName(name)**
 - if name not found in course list : return 404 status code .
 - if course found : return 200 status code + course .

***Use Fiddler to test all actions**