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=====
WebBased API CALL
=====
```

```
Step 1: create new Project
Step 2: ASP .NET Framwork(Application)
Step 3: Name and select Web API create Project
```

```
-----Dhayan Kara-----
```

```
step 4: Build Project
Step 5: Tools-- Nuget Package Manager
Step 6: browser Entityframework---install it-- I Accept
```

```
-----Build your project-----
```

```
step 7: create Databases and with Table Name
```

```
CREATE TABLE [dbo].[Employee] (
    [EmpNo] INT NOT NULL,
    [Name] NVARCHAR (50) NOT NULL,
    [Basic] NVARCHAR (50) NOT NULL,
    [DeptNo] INT NOT NULL,
    PRIMARY KEY CLUSTERED ([EmpNo] ASC)
);
```

```
-----Build your project-----
```

```
step 8: project--addclass--Web--Search--Entity
step 9: ADO .Net Entity Data Model
Step 10: EF designer from databases
Step 11: Create new Connection
Step 12: Microsoft SQL Server
Step 13: // Server Name: (localdb)\MSSQLLocalDB
Step 14: Select Or Enter databases: DATA BASE created
Step 15: click Table--dbo--Table--Employee
```

```
-----Build your project-----
```

```
Step 16: Go to Controller-- add new Controller
Step 17: Web API--web API 2 Controller with action using Entity framework
Step 18: MODEL CLASS: select Employee(web application2 Controller) --drop down list
Step 19: DATA CONTEXT CLASS: DATABASES TABLE NAME FROM LIST
Step 20: BUILD and RUN your and go to POSTMAN and API
```

```
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PostMAN API:
```

```
GET(All details): http://localhost:50087/api/Employees
```

```
[
  {
    "EmpNo": 11,
    "Name": "Anjali",
    "Basic": "5999999",
    "DeptNo": 102
  }
]
```

```
GET(Search with emp no): http://localhost:50087/api/Employees/11
```

```
{
  "EmpNo": 11,
  "Name": "Anjali",
  "Basic": "5999999",
  "DeptNo": 102
}
```

```
POST(ADD data db): http://localhost:50087/api/Employees/13
```

```
{
  "EmpNo": 13,
  "Name": "Piyu",
  "Basic": 2000,
  "DeptNo": 102
}
```

```
PUT(Update data db): http://localhost:50087/api/Employees/11
```

```
{
    "EmpNo":11,
    "Name":"Anjali",
    "Basic":5999999,
    "DeptNo":102
}
Delete(Update data db): http://localhost:50087/api/Employees/13
{
    "EmpNo": 13,
    "Name": "Anjali",
    "Basic": "5999999",
    "DeptNo": 102
}
=====
```

- \* Add Models
- \* Add `class` Student

```
public class Student
{
    public int StudentId { get; set; }
    public string Name { get; set; }
    public int Marks { get; set; }

}
```

- \* Build Solution
- \* Add Controller Add WEBAPI Controller

Replace String with student

```
GET ALL
List<Student> lstStudents = new List<Student>();
return lstStudents;
```

```
GET
Student obj = new Student();
//read from db
return obj;
```