

Sab se pehle Project banao
ASP.NET Core Web API
HTTPs ko unchecked kro

Ab project ke andar **3 main folders** banao:
Models (jis main variables store honge)
DAL (Database connection ke ik global function hoge is main)
Data (Database k lye)

Phir Models ke andar ik class bnao aur variables declare kro

Example

```
public class User
{
    public int Id { get; set; }
    public string Name { get; set; }
    public string Email { get; set; }
}
```

Ab DAL ke andar [Database.cs](#) ik class bano
Example

```
public class Database
{
    private static string connectionString =
        "Data Source=Data/user.db";

    public static SqlConnection GetConnection()
    {
        var conn = new SqlConnection(connectionString);
        conn.Open();
        return conn;
    }
}
```

Aab controllers ke andar ik controller bano

Aur iss trha ka code liko

```
public class UserController : ControllerBase
{
    [HttpPost]
    public IActionResult CreateUser(User user)
    {
        using var conn = Database.GetConnection();
        var cmd = conn.CreateCommand();

        cmd.CommandText =
            "INSERT INTO Users (Name, Email) VALUES (@name, @email)";
        cmd.Parameters.AddWithValue("@name", user.Name);
        cmd.Parameters.AddWithValue("@email", user.Email);

        cmd.ExecuteNonQuery();
        return Ok("User Created");
    }

    [HttpGet]
    public IActionResult GetUsers()
    {
        using var conn = Database.GetConnection();
        var cmd = conn.CreateCommand();
        cmd.CommandText = "SELECT * FROM Users";

        var reader = cmd.ExecuteReader();
        var users = new List<User>();

        while (reader.Read())
        {
            users.Add(new User
            {
                Id = reader.GetInt32(0),
                Name = reader.GetString(1),
                Email = reader.GetString(2)
            });
        }
    }
}
```

```
    }  
    return Ok(users);  
  }  
}
```

Data ke andar DBbrowser ke through ik database bna ke [user.db](#) name rako aur uss ke andar ik table create kro jis main apki keys honge i-e(Id, name, email)

Aur phir app ko run kro

May Allah (SWT) ease your exams and give you success