

Learn Asp.Net Core Web API

Create First Web Api

Step 1:

Name your Project to Module1 and then simply add a class in the Models Folder and name this class to Product and just put the following code in your Model Class

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;

namespace Module1.Models
{
    public class Product
    {
        public int Id { get; set; }
        public string ProductName { get; set; }
        public string Price { get; set; }
    }
}
```

Step 2:

Now just build the solution and put the controller in the controller's folder. You can add the following code in the controller class.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Http;
using Microsoft.AspNetCore.Mvc;
using Microsoft.EntityFrameworkCore;
using Module1.Models;

namespace Module1.Controllers
{
    [Produces("application/json")]
    [Route("api/Products")]
    public class ProductsController : Controller
    {
        static List<Product>_products = new List<Product>()
```

```

{
    new Product(){Id = 0,ProductName = "Laptop",Price = "200"},
    new Product(){Id = 1,ProductName = "Mobile",Price = "100"}
};

// GET: api/Products
[HttpGet]
public IEnumerable<Product> GetProduct()
{
    return _products;
}

// PUT: api/Products/5
[HttpPut("{id}")]
public void PutProduct([FromRoute] int id, [FromBody] Product product)
{
    _products[id] = product;
}

// POST: api/Products
[HttpPost]
public void PostProduct([FromBody] Product product)
{
    _products.Add(product);
}

// DELETE: api/Products/5
[HttpDelete("{id}")]
public void DeleteProduct([FromRoute] int id)
{
    _products.RemoveAt(id);
}

}
}

```