1. Create WebAPI Project-

**IProductRepository**

using WebAPI\_Demo.Models;

namespace WebAPI\_Demo.Repository

{

public interface IProductRepository

{

Task<List<ProductModel>> GetAllProduct();

Task<ProductModel> GetProductById(int id);

Task<ProductModel> CreateProduct(ProductModel product);

Task<ProductModel> UpdateProduct(ProductModel product);

Task<ProductModel> DeleteProduct(int id);

int Add(int x, int y);

}

}

**ProductRepository**

using WebAPI\_Demo.Models;

using Microsoft.EntityFrameworkCore;

using WebAPI\_Demo.Repository;

namespace WebAPI\_Demo.Repository

{

public class ProductRepository : IProductRepository

{

private readonly MyDbContext \_context;

public ProductRepository(MyDbContext context)

{

\_context = context;

}

public int Add(int x, int y)

{

return x + y;

}

}

1. Create xUnitTest Project

**UnitTest1**

using WebAPI\_Demo.Models;

using WebAPI\_Demo.Repository;

namespace xUnitTestProject

{

public class UnitTest1

{

private ProductRepository repository;

private readonly MyDbContext context;

public UnitTest1()

{

repository = new ProductRepository(context);

}

[Fact]

public void AddTest()

{

//Arrange

int a = 10;

int b = 15;

int expected = 30;

//Act

int actual=repository.Add(a, b);

//Assert

Assert.Equal(expected, actual);

}

}

}

Test:

