

Dependency Injection

Assignment objectives:-

1. Dependency injection
2. Method injection

1. Using Method injection technique **find max and sum** from below array(use linq queries)

```
Int[] data = {10,30,60,90,130,190};
```

```
Public interface IMath
```

```
{
```

```
Void findMAX();
```

```
Void FindSUM();
```

```
}
```

2. Perform **CRUD operation** on customer table using Dependency injection technic as per below interface methods

```
public interface ICustomer{
```

```
ICollection<customer> ShowAllCustomers();
```

```
Customer ShowByid(int id);
```

```
Int DeleteCustomer(int id)
```

```
Int AddCustomer(customer custobj);
```

```
}
```

Note : you need to create following files

- a. Icustomer.cs
- b. CustomerRepository(class implements interface)
- c. CustomerServices(class uses customer repository)

3. Using Unity package Demonstrate a code to show how Singleton and RegisterType work using GUID class

Class TestInstance

```
{  
    Guid obj  
    Public TestInstance()  
    {  
        obj= Guid.NewGuid();  
    }  
  
    Public void Show()  
    {  
        Console.WriteLine("Guid is " + obj.ToString());  
    }  
}
```