<https://www.c-sharpcorner.com/UploadFile/damubetha/solid-principles-in-C-Sharp/>

<https://www.c-sharpcorner.com/UploadFile/85ed7a/dependency-injection-in-C-Sharp/>

<https://www.csharpstar.com/inversion-of-control-dependency-injection-and-service-locator-in-csharp/>

<https://www.c-sharpcorner.com/UploadFile/8911c4/singleton-design-pattern-in-C-Sharp/>

<https://www.dofactory.com/topic/1568/singleton-pattern-use.aspx>

passing value for controller to view then viewbag or viewdata

passing value from controller to controller then tempdata is best

**IEnumerable**

IEnumerable exists in System.Collections Namespace.

IEnumerable can move forward only over a collection, it can’t move backward and between the items.

IEnumerable is best to query data from in-memory collections like List, Array, etc.

While query data from a database, IEnumerable execute a select query on the server side, load data in-memory on a client-side and then filter data.

IEnumerable is suitable for LINQ to Object and LINQ to XML queries.

IEnumerable supports deferred execution.

IEnumerable doesn’t support custom query.

IEnumerable doesn’t support lazy loading. Hence not suitable for paging like scenarios.

Extension methods support by IEnumerable takes functional objects.

IEnumerable Example

MyDataContext dc = new MyDataContext ();

IEnumerable<Employee> list = dc.Employees.Where(p => p.Name.StartsWith("S"));

list = list.Take<Employee>(10);

Generated SQL statements of the above query will be :

SELECT [t0].[EmpID], [t0].[EmpName], [t0].[Salary] FROM [Employee] AS [t0]

WHERE [t0].[EmpName] LIKE @p0

**Notice that in this query "top 10" is missing since IEnumerable filters records on the client side**

**IQueryable**

IQueryable exists in System. Linq Namespace.

IQueryable can move forward only over a collection, it can’t move backward and between the items.

IQueryable is best to query data from out-memory (like remote database, service) collections.

While query data from a database, IQueryable execute the select query on the server side with all filters.

IQueryable is suitable for LINQ to SQL queries.

IQueryable supports deferred execution.

IQueryable supports custom query using CreateQuery and Execute methods.

IQueryable support lazy loading. Hence it is suitable for paging like scenarios.

Extension methods support by IQueryable takes expression objects means expression tree.

IQueryable Example

MyDataContext dc = new MyDataContext ();

IQueryable<Employee> list = dc.Employees.Where(p => p.Name.StartsWith("S"));

list = list.Take<Employee>(10);

**Generated SQL statements of the above query will be** :

SELECT TOP 10 [t0].[EmpID], [t0].[EmpName], [t0].[Salary] FROM [Employee] AS [t0]

WHERE [t0].[EmpName] LIKE @p0

**Notice that in this query "top 10" is exist since IQueryable executes a query in SQL server with all filters.**

Difference between forms and windows authontication

What is dependency injections

Can we call action method from other controller action in mvc

What is polymorphism

What is property binding and attribute binding

Which method call when build sqladopter

What is different between execute and non execute method

Which imidiate function call in JavaScript

We can use multitable value function in veiw

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Eclerx

1) difference between function and procedure

2)how to change 2 to 1 and 1 to 2 in column

3)types of joins

4) which join is fast

5)what is difference between self and cross join

6) select \* from a,b . It is which join

7)what is index

8)what is components

9)what is partial veiw

10)if we create same name veiw one is normal and another is partial then how differentiate which normal and which is partial

Can we write try catch in function and transaction

Vara

1)what mvc architecture

2)what is loosely and tightly couple

3)what is difference between parital and normal view

14)how to pass data from components to components

1)what is observale and promise

2)what is material in angular

3)which material used in angular

4)what is agil

6)which package you used

7)how to find version of particular package that you have installed

8) which authontication use in your project

9) which design pattern use in your project

10)what is dependency injection

11)where to use in your project

12)how to get data from wpi

13) explain the structure of your project

14)what is providers

4)what is filters

5)which filter you worked on

6)what is different between viewbag,viewdata and tempdata

7) viewbag is tightly couple or loosely couple

8)what is difference between text box and textboxfor

9)can we use body in partial view

10)what is ajax

11)what are content use in ajax

14)what is magic tables

15)whan magic table create

If you have implemented a trigger for a table then:

* Whenever you Insert a record on that table, that record will be shown in the **INSERTED** Magic Table.
* Whenever you Delete the record on that table, that record will be shown in the **DELETED** Magic Table Only.
* Whenever you Update the record on that table, that existing record will be shown in the **DELETED** Magic Table and **Updated** new data will be shown in the **INSERTED** Magic Table.

16)after inser, delete and update in which magic table create

6)what is different between partial and Normal veiw

7)what is partial and renderpartial in mvc

8)type of routing bin mvc

9)which design patterns use in your application

10)what is solid principal and explain

11)what is trigger

12)what is magic tables

13)if update table then which magic table will create

14)can we call procedure under function

15) difference between abstract and interface

16)It is possible to create multilevel inheritance

18) what is service and provider

Dependency Injection

Newsoft(telephone)

1)what is inheritance

2)why use inheritance skip multiple inheritance and structure

3)use inheritance in your project and explain

4) what is read only and cost difference in detail and more difference

5)give a live example of read only and const

8)what is difference between web api and wcf

9)why web api

10)what is rest full

11) what is filters in mvc

12)which filter use in your project

13) tell me your project in detail what is your role

14)what is lossely couple

15)what is model and veiw model

16)how authorize attribute use in  empty mvc project

17)what is ng-update

**Rahul Questions**

CT healthcare:

Oops with example.

When to use interface and abstract.

Designe patterns senario wise.

Architecture.

Const vs readonly.

Interface.

Employee hierarchy sql query.

Web api how to pass json request and get json response .

Angular:seanrio wise

Filter on table.

Inpute text box and label when type yes in textbox lable show in green and type No show lable in Red.

How Dynamically add 3 text box.

 How can pass data one components to others.

How can create observables.

Services.

OOPS

Soild

Polymorphism

Multilevel inheritance

Virtual,Override,new

WebApi vs Webservice

ActionResulte, ActionFilter

Controller vs APIController

Any Design Pattern

ACID

Union vs Union All

Why one cluster index?

Impact of have multiple non cluster index?

IOC

Delegates and Events

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Difference between MVC and [asp.net](http://secure-web.cisco.com/1LKqL7xyRsPy8QAfEPbfQeh-HIWCH1nVpBRbgn9cybHmfCB4mUgH3N2lNXvzIlsWyZIQHkjTseudY9LQ3vHdtplv67XJBTI-WAFFuTTJSyimIrALF7H-ClETHwtvVPWK9gNBeJOp45uvOykSJm1ujeYrfcEKCSh1DTog5T8rweMbzyLL5r2n0uQSxln4ch03_fLINQouuKnPYhNo0X6G2X4Ma-y9xSckUE2PfnNrSLv-jQogwOECP9QVQs1wGjeDqihu9pti7JCklj5hFsEMNFlqzVZOuoDvrZ63ANCi64_spEcgYvE8ePo2GKfcezbn9RatiSExCOpuuapBLzfR-6Q/http%3A%2F%2Fasp.net)

Which one is better and why

What is partial in mvc

Difference between partial and normal veiw

Why we use partial veiw

Veiwbag,viewdata,tempdata difference

Difference between MVC and three tier architecture

Rest and soap difference

Web API and web services difference

Nvarchar and varchar

In which type stroe multilingual

Filters in mvc

Authorization and authentication

Output caches

Health assured

1) project base interview

- currently working on which project

- which technology used

- what is your role

- how to use mvc in your project implimentation

- follow any pattern and how

2) technical interview

- mvc:- if there are 3 view in home controller which is v1,v2 v3 how to call v2 while run solution

- sql:-(a) if table contains column col1 which contains 1,1,2,2 how to interchange column value from 2to 1 vice versa.

(b) difference between function and store pricedure

Web api:- how to restrict any method

HTML:- which one is better div or table.

C#:-what is interface

GEP:-

6)what execution of below code

A:b print a ,b:c print b and c class

Print is in contructor so what will print first

7)there are two interface IA and IB both have add method and these both interface inherited by class A who will implement add method in A class

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11)what is subscribe in angular

12) structure of your project

13)how to show pop up in angular

14)how to pass data from components to components

15) what is directive in angular

Saurabh

Difference truncate and delete

What is before route in mvc

If want to give https to particular index in mvc how?

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**Events and delegates, multithreading**

**Factory and abstract factory, decorative,repository,singleton design patter**

**Which pattern will you use to create complex objects**

**Disadvantages of using singleton pattern**

**Class coupling**

**Entity framework**

**Difference between windows and web application**

**Dataset and datareader and how to read two tables data using datareader**

**Read xml and bind xml in dropdown**

**Session management and how to store session in sql server and retrieve when there is load balancer in between**

**Return type of linq query**

**Difference between ienumerable and iquerable**

**What is tryparse**

**Difference between hastable and idictionary**

**Table hints in sql**

**What is virtual table in sql**

**How to implement self join in sql**

**Rave**

**If error occurs while using handlerror attribute then what will happen**

**How to not authorize single action in mvc when we have declared authorize on controller level**

**Can we have multiple action with same name but different parameter datatype**

MVC doesn't support method overloading based solely on signature, so this will fail:

public ActionResult MyMethod(int someInt) { /\* ... \*/ }

public ActionResult MyMethod(string someString) { /\* ... \*/ }

However, it *does* support method overloading based on attribute:

**Different ways we can handle exception in mvc**

**Total 3 textbox, 1 is mandatory and from other 2 one should be mandatory,**

**How to achieve without using jquery**

* // Here I will add code for client side validation for our custom validation (At Least One required Validation)
* $.validator.unobtrusive.adapters.addSingleVal("atleastonerequired", "otherpropertynames");
* $.validator.addMethod("atleastonerequired", function (value, element, params) {
* var param = params.toString().split(',');
* var isAllNull = true;
* $.each(param, function (i, val) {
* var valueOfItem = $('#' + val).val().trim();
* if (valueOfItem != '') {
* isAllNull = false;
* return false;
* }
* });
* if (isAllNull) {
* return false;
* }
* else {
* return true;
* }
* });
* [AtLeastOneRequired("EmailID,MobileNo,LandNo", ErrorMessage = "At Lease one required of EmailID / MobileNo / LandNo")]
* public string EmailID { get; set; }
* public string MobileNo { get; set; }
* public string LandNo { get; set; }

**Table A with 1 column with same value(i.e 1) in 4 rows,**

**Table B with 1 column with same value(i.e 1) in 4 rows.**

**If we apply inner join,left join,right join on above table what output will we get**

**Difference between put and patch**

**Base Class A**

**Class B inherits class A, both have same method name**

**e.g – B obj = new A() -> what output**

**A obj=new B() -> what output**

**Composite in inheritance**