

Queries SQL,LINQ,LamdaExpression

1)Get All Records From tbl_Emp

SELECT * FROM tbl_Emp //Using SQL

Var Res=FROM db IN Context.tblEmp

SELECT db // Using Linq

Var res=Context.tblEmp.ToList() //Using LamdaExpression

2)Get All Record s from tbl_Emp with Column aliasing name?

**SELECT Eno as 'Employee_Id',Ename as 'EmployeeName'
FROM tbl_Emp**

Var Res=FROM db IN Context.tblEmp

**SELECT
new{Employee_Id=db.Eno,EmployeeName=db.Ename};**

**Var Res=Conctex.tbl_Emp.Select(x=>new
{Employee_Id=x.Eno,EmployeeName=x.Ename});**

3)Get Top Two Records from tbl_Emp

SELECT Top(2) * from tbl_Emp

Var Res=FROM db in Context.tbl_Emp.Take(2)

SELECT db;

Var Res=Context.tbl_Emp.Take(2).ToList();

4)Get All Records From tbl_Emp which are sorted by Eno ascending order?

SELECT * FROM tbl_Emp order by Eno

```
Var Res=FROM db IN Context.tbl_Emp  
    Orderby(db.Eno)  
    SELECT db;
```

```
Var res=Context.tbl_Emp.OrderBy(x=>x.Eno).ToList();
```

5)Get all Records from tbl_Dept which are sorted by Did Descending?

```
SELECT * from tbl_Dept Order by Did desc
```

```
Var res=FROM db IN Context.tbl_Dept  
    Order by(db.Did) Descending  
    SELECT db;
```

```
Var  
res=Context.tbl_Dept.OrderByDescending(x=>x.Did).ToList();
```

6)Get the records from tbl_Dept with Heighest Did?

```
SELECT Top(1) * FROM tbl_Dept Order By Did desc
```

```
Var res=(FROM db IN Conctext.tbl_Dept  
    Order by(db.Did) descending  
    SELECT db).Take(1).ToList();
```

```
Var res=tbl_Dept.OrderByDescending(x=>x.Did).Take(1);
```

7)Get All the records from tbl_Dept whose Did is Less than or equal to 4?

```
SELEC * FROM tbl_Dept WHERE Did<=4
```

```
Var res=FROM db IN Context.tbl_Dept  
    WHERE (db.Did<=4)
```

SELECT db;

Var res=Context.tbl_Dep.Where(x=>x<=4);

8)Get all the records from tbl_Dep where Did whose is either 4 or 7

SELECT * FROM tbl_Dep where Did=4 or Did=7

Var res=FROM db IN SELECT Context.tbl_Dep

Where (db.did=4 || db.Did=7)

SELECT db;

Var Res=tbl_Dep.Where(x=>x.Did=4 | |x=>x.Did=7).ToList();

9)Get all the records from tbl_Dep whose is among 1,5,6 ?

SELECT * FROM tbl_Dep WHERE Did IN(1,5,6)

Var res=FROM db IN Context.tbl_Dep

Where(db.Did=1 || db.Did=5 || db.Did=6)

SELECT db;

Var res=tbl_Dep.where(x=>x.Did=1 | | x=>x.Did=5 | | x=>x.Did=6).ToList();

10)Get all records from tbl_Dep whose Did is neither 3 nor 4

SELECT * FROM tbl_Dep Where Did=3 and Did=4

Var res=FROM db IN Context.tbl_Dep

Where (db.Did==3 && db.Did==4)

Var res=tbl_Dep.Where(x=>x.Did=3&& x=>x.Did=3).ToList();

11)Get all the records from tbl_Dep whose Did between 2 and 4?

SELECT * FROM tbl_Dept Where Did between 2 and 4

Var res=FROM db IN Context.tbl_Dept

Where(db.Did>2&&db.Did<4)

SELECT db;

Var res=Context.tbl_Dept.Where(x=>x.Did<2 && x=>x.Did>4);

12)Get all he records from tbl_Dept whose description is Null

SELECT * FROM tbl_Dept where Description IS NULL

Var res=FROM db in Context.tbl_Dept

Where(db.Description==“”)

SELECT db;

Var

**res=tbl_Dept.Where(x=>x.Description==“”).ToList()
;**

13)Get Sum of Salaries of all Employee from tbl_Emp?

SELECT SUM(Salary) FROM tbl_Emp

Var res=(FROM db in Context.tbl_Dept

SELECT db).SUM();

Var res=Conctet.tbl_Emp.SUM(x=>x.Salary);

14)Get Avarage of Salaries of all Employee from tbl_Emp?

SELECT AVG(Salary) FROM tbl_Emp

Var res=(FROM db in Context.tbl_Dept

SELECT db).Avarage();

Var res=Conctet.tbl_Emp.Avarage(x=>x.Salary);

15)Get Minimum of Salaries of all Employee from tbl_Emp

SELECT MIN(Salary) FROM tbl_Emp

Var res=(FROM db in Context.tbl_Dept

SELECT db). Minimum ();

Var res=Conctet.tbl_Emp.Minimum(x=>x.Salary);

16)Get Maximun of Salaries of all Employee from tbl_Emp

SELECT MAX(Salary) FROM tbl_Emp

Var res=(FROM db in Context.tbl_Dept

SELECT db).Maximum();

Var res=Conctet.tbl_Emp. Maximum (x=>x.Salary);

17)Get all Eid,Ename and Salary*0.38 as HRA from tbl_Emp

SELECT Eid,Ename,(Salary*0.38)as HRA from tbl_Emp

Var res=FROM db in Context.tbl_Emp

SELECT new{db.Eid,db.Ename,HRA=Db.Salary*0.38};

**Var res=Contxet.tbl_Emp.Select(x=>new
{x.Eid,x.Ename,HRA=x.Salary*0.38});**

18)Get all Records from tbl_Emp where Ename Start with "I"?

SELECT * FROM tbl_Emp where Ename LIKE 's%'

Var res=FROM db IN Context.tbl_Emp

WHERE(db.Ename.StartsWith('I'))

SELECT db;

Var res=Contxet.tbl_Emp.Where(x=>x.Ename.StartsWith('I'));

19)Get all Records from tbl_Emp where Ename Ends with "I"

SELECT * FROM tbl_Emp where Ename LIKE '%s'

Var res=FROM db IN Context.tbl_Emp

WHERE(db.Ename.EndsWith('I'))

SELECT db;

Var res=Contxet.tbl_Emp.Where(x=>x.Ename.EndsWith('I'));

20)Get Number of Female Employees from tbl_Emp?

SELECT COUNT(*) FROM tbl_Emp WHERE Ename='f'

Var res=(FROM db in Context.tbl_Emp

WHERE db.Ename='F'

SELECT db).COUNT();

Var res=(Context.tbl_Emp.Where(x=>x.Ename='f')).COUNT();

21)Get Number of Male and Female Employee from tbl_Emp along with Gender as on Column?

**SELECT COUNT(*) as 'No. of Employees',Ename FROM tbl_Emp
GROUP BY Gender**

Var res=FROM db IN Context.tbl_Emp

GROUP db BY db.Gender in g

SELECT new{Gender=g.Key,Count=g.Count()};

**Var res=Contxet.tbl_Emp.GroupBy(x=x.Gender).Select(y=>new
{Gender=y.Key,Count=y.COUNT()});**

22)Get Number of Employees in Each Department tbl_Emp?

SELECT COUNT(*) as 'No.of Emps' from tbl_Emp Group By Did

```
Var res=FROM db IN Context.tbl_Emp
```

```
Group db By db.Did into k
```

```
SELECT new{Did=k.Key,No.OfEmp=k.Count()};
```

```
Var res=Context.tbl_Emp.GroupBy(x=>x.Did).Select(y=>new  
{Did=y.Key,No.OfEmp=y.Count()});
```

23)Get all Eid,Ename,Dname From tbl_Emp and tbl_Dept(Using Joins)

```
SELECT e.Eid,e.Ename,d.Dname FROM tbl_EMP e inner join  
tbl_DEPT d ON e.Eid=d.Eid
```

```
Var res=FROM e IN tbl_Emp
```

```
D IN tbl_Dept
```

```
ON e.Eid Equals D.Eid
```

```
SELECT new{e.Eid,e.Ename,d.Dname};
```

```
Var res=Context.tbl_Emp.
```

```
Join(Context.tbl_Dept,x=>x.Did,y=>y.Eid,(x,y)=>new{x.Eid,x.Ename,y.Dname}).ToList();
```

24)2nd Heighest Salary from tbl_Emp

```
SELECT * FROM tbl_Emp e WHERE 2=(SELECT COUNT(*) FROM  
tbl_Emp f WHERE e.Salary>=f.Salary)
```

```
Var res=(FROM db IN tbl_Emp
```

```
OrderBy db.Salary Descending
```

```
Group db by db.Dname into g
```

```
SELECT new{id=g.SELECT(i=>i.Eid),
```

```
Salary=g.SELECT(s=>s.Salary),
```

```
Name=g.SELECT(n=>n.Ename)
```

```
}).Skip(1).ToList();
```

```
Var res=Context.tbl_Emp.GroupBy(x=x.Salary)
```

```
    .OrderByDescending(f=f.key)
```

```
    .Skip(1)
```

```
    .First()
```

```
    .SELECT(x=>x.Salary)
```

```
    .Distict
```