



1. Select * from dbo.tbl_Dept

```
var res= dev.tbl_Dept.ToList(); //lambda
```

```
var res=from re in dev.tbl_Dept select re; //query
```

2. Select Did as 'Department Id', DName as 'Department Name' from
dbo.tbl_Dept

```
var res = dev.tbl_Dept.Select(x => new { DepartmentId = x.Did,  
DepartmentName = x.DName }); //lambda
```

```
var res=from re in dev.tbl_Dept select  
new{Department_Id=re.Did,Department_Name=re.DName}; //query
```

3. Select top(2) * from tbl_Dept

```
var res = dev.tbl_Dept.Take(2).ToList(); //lambda
```

```
var res = from re in dev.tbl_Dept.Take(2) select re; // query
```

4. select * from tbl_Dept order by Did

```
var res = dev.tbl_Dept.OrderBy(x =>x.Did).ToList();//lambda
```

```
var res = from re in dev.tbl_Deptorderby (re.Did) select re;//query
```

5. Select * from tbl_Dept order by Did desc

```
var res = from re in dev.tbl_Deptorderby (re.Did) descendingselect re;  
//query
```

```
var res = dev.tbl_Dept.OrderByDescending(x =>x.Did).ToList(); //lambda
```

6. Select top(1) * from tbl_Dept order by Did desc

```
var res = dev.tbl_Dept.OrderByDescending(x =>x.Did).Take(1); //lambda
```

```
var res = (from re in dev.tbl_Deptorderby (re.Did) descending select  
re).Take(1).ToList(); //query
```

8. Select * from tbl_Dept order by DName, Did

```
var res =dev.tbl_Dept.OrderBy(X =>X.DName).OrderBy(X =>X.Did); //lambda
```

```
var res = from re in dev.tbl_Deptorderby (re.DName) orderby (re.Did) select  
re; //query
```

9. Select * from tbl_Dept Where Did <= 4

```
var res = dev.tbl_Dept.Where(x =>x.Did<= 4); //lambda
```

```
var res = from re in dev.tbl_Dept where (re.Did<= 4) select re; //query
```

10. Select * from tbl_Dept Where Did = 4 OR Did = 7

```
var res = dev.tbl_Dept.Where(x =>x.Did == 4 || x.Did == 7).ToList(); //lambda
```

```
var res = from re in dev.tbl_Dept where (re.Did == 4 || re.Did == 7) select re;  
//query
```

11. select * from tbl_Dept Where Did IN (1, 5, 6)

```
var res = from re in dev.tbl_Dept where (re.Did == 1 || re.Did ==  
5 || re.Did==6) select re; //query
```

```
var res = dev.tbl_Dept.Where(x =>x.Did == 1 || x.Did ==  
5 || x.Did==6).ToList(); //lambda
```

12. select * from tbl_Dept Where Did <> 3 and Did <> 4

```
var res = dev.tbl_Dept.Where(x =>x.Did != 3 && x.Did != 4).ToList(); //lambda
```

```
var res = from re in dev.tbl_Dept where (re.Did != 3 && re.Did != 4) select re;  
//query
```

13. select * from tbl_Dept Where Did NOT IN (1, 5, 6)

```
var res = from re in dev.tbl_Dept where (re.Did != 1 && re.Did !=  
5 && re.Did!=6) select re; //query
```

```
var res = dev.tbl_Dept.Where(x =>x.Did != 1 && x.Did != 5  
&& x.Did != 6).ToList(); //lambda
```

14. select * from tbl_Dept Where Did >= 2 and Did <= 4

```
var res = dev.tbl_Dept.Where(x =>x.Did>=2 &&x.Did<=4).ToList(); //lambda
```

```
var res = from re in dev.tbl_Dept where (re.Did>= 2 &&re.Did<=4) select re;  
//query
```

15. select * from tbl_Dept Where Did between 2 and 4

```
var res = from re in dev.tbl_Dept where (re.Did> 2 &&re.Did<4) select  
re; //query
```

```
var res = dev.tbl_Dept.Where(x =>x.Did>2 &&x.Did<4).ToList();
```

16. select * from tbl_Dept Where Did < 2 and Did > 4

```
var res = dev.tbl_Dept.Where(x =>x.Did<2 || x.Did>4).ToList(); //lambda
```

```
var res = from re in dev.tbl_Dept where (re.Did< 2 || re.Did>4) select re;  
//query
```

17. select * from tbl_Dept Where Did not between 2 and 4

```
var res = dev.tbl_Dept.Where(x =>x.Did<= 2 || x.Did>= 4).ToList(); //lambda
```

```
var res = from re in dev.tbl_Dept where (re.Did<= 2 || re.Did>= 4) select re;  
//query
```

18. select * from tbl_Dept Where [Description] IS NULL

```
var res = from re in dev.tbl_Dept where (re.Description == "") select re;  
//query
```

```
var res = dev.tbl_Dept.Where(x =>x.Description == ""); //lambda
```

19. select * from tbl_Dept Where [Description] IS NOT NULL

```
var res = dev.tbl_Dept.Where(x =>x.Description != ""); //lambda
```

```
var res = from re in dev.tbl_Dept where (re.Description != "") select re;  
//query
```

20. select * from tbl_Emp

```
var res = from re in dev.tbl_Emp select re; //query
```

```
var res = dev.tbl_Emp; //lambda
```

21. select SUM(ESalary) AS SumOfTheSalaries from tbl_Emp

```
var res = dev.tbl_Emp.Sum(x =>x.ESalary); //lambda
```

```
var res = (from re in dev.tbl_Emp select re.ESalary).Sum(); //query
```

22. select AVG(ESalary) AS SumOfTheSalaries from tbl_Emp

```
var res = dev.tbl_Emp.Average(x =>x.ESalary); //lambda
```

```
var res = (from re in dev.tbl_Emp select re.ESalary).Average(); //query
```

23. select MAX(ESalary) AS SumOfTheSalaries from tbl_Emp

```
var res = dev.tbl_Emp.Max(x =>x.ESalary);//lambda
```

```
var res = (from re in dev.tbl_Emp select re.ESalary).Max();//query
```

24. select MIN(ESalary) AS SumOfTheSalaries from tbl_Emp

```
var res = dev.tbl_Emp.Min(x =>x.ESalary); //lambda
```

```
var res = (from re in dev.tbl_Emp select re.ESalary).Min(); //query
```

25. select Eid, EName, ESalary from tbl_Emp

```
var res= dev.tbl_Emp.Select(x=>new{x.Eid,x.EName,x.ESalary}); //lambda
```

```
var res = from re in dev.tbl_Emp select new { re.Eid, re.EName, re.ESalary };  
//query
```

26. select Eid, EName, ESalary * 0.38 AS HRA from tbl_Emp

```
var res = dev.tbl_Emp.Select(x => new { x.Eid, x.EName, HRA = x.ESalary *  
0.38 }).ToList(); //lambda
```

```
var res=(from re in dev.tbl_Emp select  
new{re.Eid,re.EName,HRA=re.ESalary*0.38}).ToList(); //query
```

27. select Eid, EName, ESalary * 0.38 AS HRA, ESalary + (ESalary * 0.38) As
GS

from tbl_Emp

```
var res = dev.tbl_Emp.Select(x => new { x.Eid, x.EName, HRA = x.ESalary *  
0.38, GS = x.ESalary + (x.ESalary * 0.38) }).ToList(); //lambda
```

```
var res = (from re in dev.tbl_Emp select new { re.Eid, re.ENAME, HRA = re.ESalary * 0.38, GS = re.ESalary + (re.ESalary * 0.38) }).ToList(); //query
```

28. select * from tbl_Emp where ENAME like '%I'

```
var res = from re in dev.tbl_Emp where (re.ENAME.EndsWith("I")) select re;  
//query
```

```
var res = dev.tbl_Emp.Where(x => x.ENAME.EndsWith("I")); //lambda
```

29. select * from tbl_Emp where ENAME like 'rah%'

```
var res = dev.tbl_Emp.Where(x => x.ENAME.StartsWith("rah")); //lambda
```

```
var res = from re in dev.tbl_Emp where (re.ENAME.StartsWith("rah")) select re; //lambda
```

30. select COUNT(*) from tbl_Emp where EGender = 'F'

```
var res = dev.tbl_Emp.Where(x => x.EGender == "F").Count(); //lambda
```

```
var res = (from re in dev.tbl_Emp where (re.EGender == "F") select re).Count();  
//query
```

31. select COUNT(*) NoOfEmp, EGender from tbl_Emp Group By EGender

```
var res = dev.tbl_Emp.GroupBy(x => x.EGender).Select(y => new { EGender = y.Key, count = y.Count() }); //lambda
```

```
var res = from c in dev.tbl_Emp group c by c.EGender into g select new {  
EGender = g.Key, count = g.Count() }; //query
```

32. select COUNT(*) NoOfEmp, Did from tbl_Emp Group By Did

```
var res=dev.tbl_Emp.GroupBy(x=>x.Did).Select(y=>
new{Did=y.Key,numberofemp=y.Count()}); //lambda
```

```
var res = from re in dev.tbl_Emp group re by re.Did into k select new { Did =
k.Key, numberofemp = k.Count() }; //query
```

33. select SUM(ESalary) SumOfSal, Did from tbl_Emp Group By Did

```
var res = dev.tbl_Emp.GroupBy(x =>x.Did).Select(y =>new { Did = y.Key,
sumofsalary = y.Sum(z =>z.ESalary) }); //lambda
```

```
var res = from re in dev.tbl_Empgroup re by re.Did into kselect new { Did =
k.Key, sumofsalary = k.Sum(g =>g.ESalary) }; //query
```

34. select SUM(ESalary) SumOfSal, EGender from tbl_Emp Group ByEGender

```
var res = dev.tbl_Emp.GroupBy(x =>x.EGender).Select(y => new { EGender =
y.Key, Sumofsalary = y.Sum(z =>z.ESalary) }); //lambda
```

```
var res = from re in dev.tbl_Empgroup re by re.EGender into k select new {
EGender = k.Key, sumofsalary = k.Sum(g =>g.ESalary) }; //query
```

35. select SUM(ESalary) SumOfSal, EGender, Did from tbl_Emp Group By Did,EGender Having Sum(ESalary) >= 20000

```
var res = dev.tbl_Emp.GroupBy(x => new { x.Did, x.EGender }).Select(y =>
new { EGender = y.Key.EGender,Did = y.Key.Did, Sumofsalary = y.Sum(z
=>z.ESalary) }).Where(s =>s.Sumofsalary> 20000); //lambda
```



```
var res = (from re in dev.tbl_Emp group re by new { re.Did, re.EGender } into  
k select new { EGender = k.Key.EGender, Did = k.Key.Did, sumofsalary =  
k.Sum(z => z.ESalary) }).Where(z => z.sumofsalary > 20000); //query
```

36. select E.Eid, E.ENAME, D.DNAME from tbl_Emp E join tbl_Dept D on
E.Did=D.Did

```
var res = from dep in dev.tbl_Dept join emp in dev.tbl_Emp on  
dep.Did equals emp.Eid select new { emp.Eid, emp.ENAME, dep.DNAME };  
//query
```

```
var res = dev.tbl_Dept.Join(dev.tbl_Emp, x => x.Did, y => y.Eid, (x, y) =>  
new { y.Eid, y.ENAME, x.DNAME }).ToList(); //lambda
```