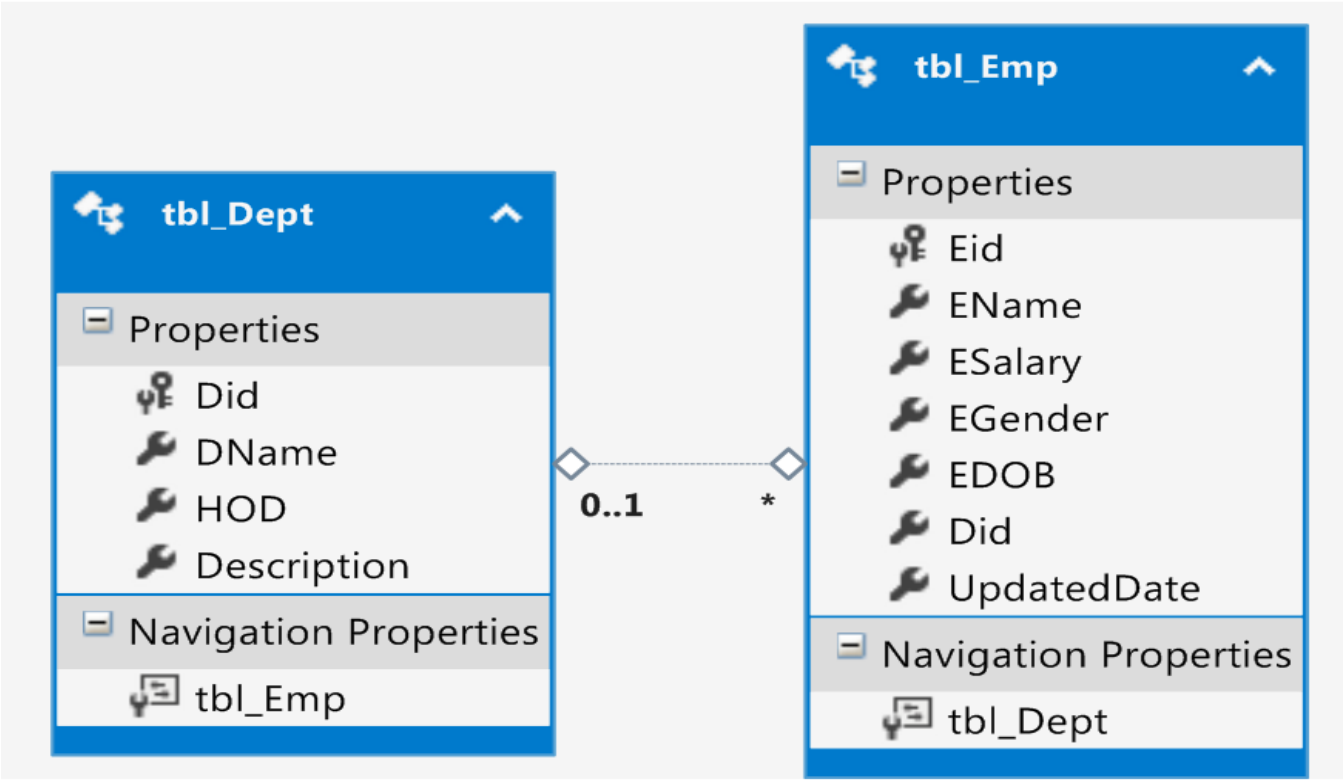

MyOrgEntites dev=new MyOrgEntities();

1. Select * from dbo.tbl_Dept

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

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
});
```

3. Select top(2) * from tbl_Dept

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

4. select * from tbl_Dept order by Did

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

5. Select * from tbl_Dept order by Did desc

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

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

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

8. Select * from tbl_Dept order by DName, Did

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

9. Select * from tbl_Dept Where Did <= 4

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

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();
```

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

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

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();
```

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

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

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();
```

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

```
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();
```

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();
```

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

```
var res = dev.tbl_Dept.Where(x => x.Description == “”);
```

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

```
var res = dev.tbl_Dept.Where(x => x.Description != “”);
```

20. select * from tbl_Emp

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

21. select SUM(ESalary) AS SumOfTheSalaries from tbl_Emp

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

22. select AVG(ESalary) AS SumOfTheSalaries from tbl_Emp

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

23. select MAX(ESalary) AS SumOfTheSalaries from tbl_Emp

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

24. select MIN(ESalary) AS SumOfTheSalaries from tbl_Emp

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

25. select Eid, EName, ESalary from tbl_Emp

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

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();
```

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();
```

28. select * from tbl_Emp where EName like '%l'

```
var res = dev.tbl_Emp.Where(x => x.EName.EndsWith("l"));
```

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

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

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

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

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() });
```

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()});
```

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) });
```

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

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

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);
```

36. select E.Eid,E.EName,D.DName from tbl_Emp E join tbl_Dept D on E.Did=D.Did

```
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();
```