

# Inner join Example

## Inner Join

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As per Microsoft –

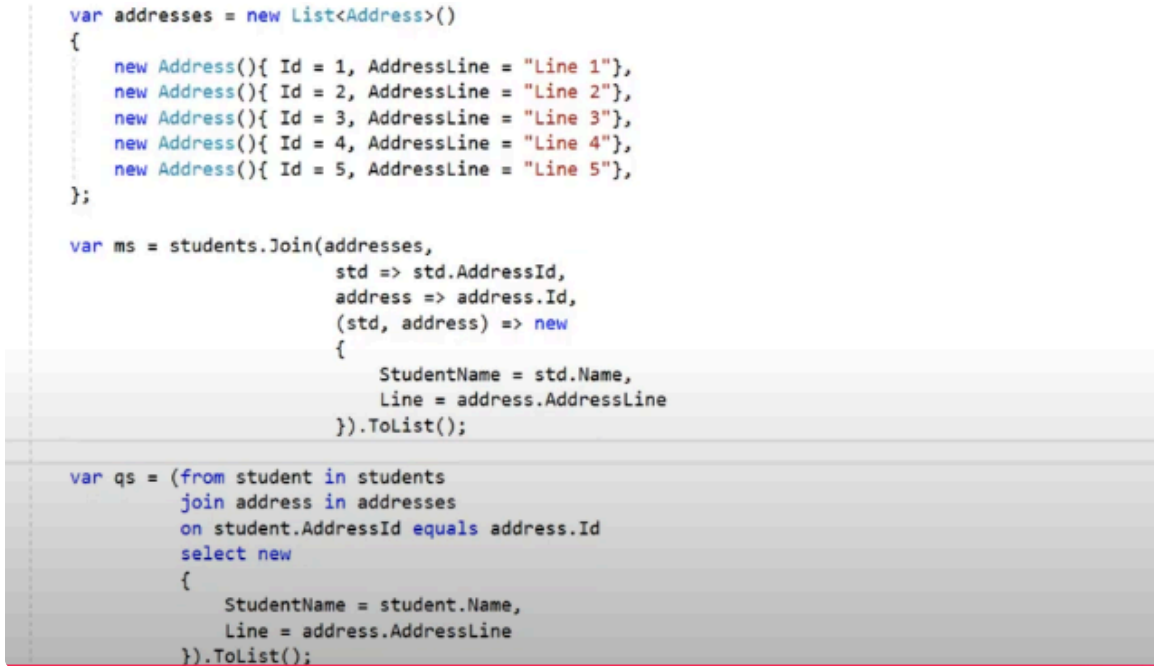
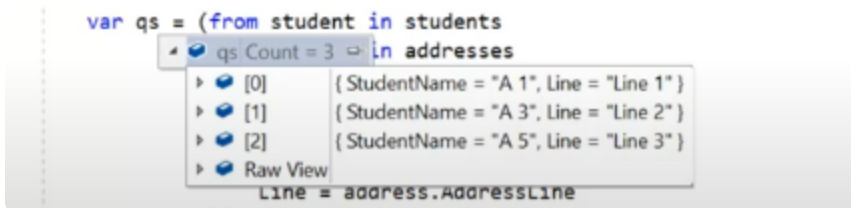
*“An inner join produces a result set in which each element of the first collection appears one time for every matching element in the second collection. If an element in the first collection has no matching elements, it does not appear in the result set. ”*

In Simple words – Inner join = Elements which has a common properties in both the data-sources

```
var addresses = new List<Address>()
{
    new Address(){ Id = 1, AddressLine = "Line 1"},
    new Address(){ Id = 2, AddressLine = "Line 2"},
    new Address(){ Id = 3, AddressLine = "Line 3"},
    new Address(){ Id = 4, AddressLine = "Line 4"},
    new Address(){ Id = 5, AddressLine = "Line 5"},
};

var qs = (from student in students
join address in addresses
on student.AddressId equals address.Id
select new
{
    StudentName = student.Name,
    Line = address.AddressLine
}).ToList();

Console.ReadLine();
```



## Inner join in multiple tables

### query method for multiple inner join

