Linq Assignments

```
class Movies
   {
      public int MovieId { get; set; }
      public string MovieName { get; set; }
      public string Actor { get; set; }
      public string Actress { get; set; }
      public int YOR { get; set; }

}

      List<Movies> li = new List<Movies>()
   {
      new Movies(){ MovieId=100, MovieName="Bahubali", Actor="Prabhas", Actress="Tamanna",
YOR=2015 },
      new Movies(){ MovieId=200, MovieName="Bahubali2", Actor="Prabhas", Actress="Anushka",
YOR=2017 },
      new Movies(){ MovieId=300, MovieName="Robot", Actor="Rajini", Actress="Aish", YOR=2010 },
      new Movies(){ MovieId=400, MovieName="3 idiots", Actor="Amir", Actress="kareena", YOR=2009 },
      new Movies(){ MovieId=500, MovieName="Saaho", Actor="Prabhas", Actress="shraddha",
YOR=2019 },
   };
```

1. display list of movienames acted by prabhas

2. display list of all movies released in year 2019

3. display the list of movies who acted togeather by prabhas and anushka

4. display the list of all actress who acted with prabhas

5. display the list of all moves released from 2010 - 2018

6. sort YOR in descending order and display all its records

7. display max movies acted by each actor

8. display the name of all movies which is 5 charecters long

9.display names of actor and actress where movie released in

year 2017, 2009 and 2019

10.display the name of movies which start with 'b' and ends with 'i'

11.display name of actress who not acted with rajini and print in descending order

12. display records in follwing format

eg:

moviename cast

bahubali prabhas-tammanna

Write a linq to query to find only Even number

int [] numbers = { 1, 4, 9, 16, 25, 36 };

Write a Linq to query to sort based on string Length

string[] st = { "India", "Srilanka", "canada", "Singapore" };

---

using lamba expression

```
List<Products> li = new List<Products>()
        {
          new Products() { pid = 100, pname = "book", price = 1000, qty = 5 },
           new Products() { pid = 200, pname = "cd", price = 2000, qty = 6 },
           new Products() { pid = 300, pname = "toys", price = 3000, qty = 5 },
             new Products() { pid = 400, pname = "mobile", price = 8000, qty = 6 },
           new Products() { pid = 600, pname = "pen", price = 200, qty = 7 },
           new Products() { pid = 700, pname = "tv", price = 30000, qty = 7 },
         };
```

1. find second highest price
2. display top 3 highest price
3. find the sum of price where product names contains letter 'O'
4. find the product name ends with e and display only pid and pname (filter by column name)
5. group all records by qty find max of price