```
é ercicio 1
abstact class Figura
¿ public abstract double Calcular(); }
class Rectangulo: Figura

§ public duble AncHo; get; set; }
   public duoble Largo; Eget; set; 3
  public Rectorgulo (double Ancho jdarble largo)
       this Anctho = ancho
         This dorge - large. }
  public override double Calcular()
      return AncHoolArgo; } }
class Cirwlo : tigura
  public double Rodio { get; set; }
   public Circulo (double radio)
   } this Radio = radio }
 Public override double Calcular ()
 5 return MATh. Pi * MATh. Pow (radio, 2); }}
loss form 1: Form
button VerArea:
 List < Figura > Figuras = New List < Figura > );
  Figura figura 1 = new Rectampulo (2;3);
 Figura f2 = new Pretano (3;5):
  Liquia F3 = new Circulo (2)
  figuras. Add (Figura 1);
  figuras Add (F2);
  figuras. Add (43);
```

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Foreach (Figura Ain tiguras)
   { list Box. I tem. Add (A. Calcular ()); }}
   Ejercicioz
interface Ifigura
     { extension double Calwlar(); }
     class Dectangulo : Ifigura
    & public double Ancho Eget; set; 33
      public double [ Argo & pet; set; 3;
     public Rectangulo (dolbk ancho, double lorgo)
      { This Ancho = amcho;
         This large = longs,
     E public answers double Calculor ()
        return this largo * this Ancho; { }
    Suborss Cirwlo: Itigura

{ public double Radio {get; set;}

public Circulo (double radio)

{ this Radio - radio }

public mande Calculor ()
        { return Math. Pi * Moth. Power (Ahis. Radio, 2); }}
     class Form 1:
      List < Figura > lista = new List Figura X);
         Lista. Add ( new Red angulo (213);
         lista Add ( new Circulo (3)
     Button Calcular Area
       toreach (Ingura A in lista)
      { listBox. I tems. Add (A. Calwiar ()); } }
```

Ejercicio 3	
Class Persona { public string Plansons { get; private set; }	
public Persona (String nombre)	
} this. Nonbre = nombre, }	
1 This everyore straining of	
public Virtual strig Double ()	
{ return this Nombre; }	
[
class Persong Juridica : Persona	
& public string Cuit & get : prime set?	
The state of the s	
MARCHAR SERVE TURS SERVE	O (Bui
S this. Cuit; 3	
public override String Describir () Hosting	
} retur base Describin() + "-" + this cuit; }	
Public Personal Uridico (String nombre; String Cuit) & Busellombre) String Cuit = cuit; } Public override String Describir() { retur base. Describir() + "-" + this. cuit.; } Chast torm!	
class torm 1	
} List (Persona) Lista = new list (Persona) () }	13
Persona / List (Persona) () { new Persona ("Maria"), new Persona furition ('Ama", 3002866	jj
button Verdescripcion	
foreach (Persona A in listo)	
{ listbox. Items. Add (A. Describir())}}	
1. C. margaritzavas utili e se atoli and many	
- Wastell Water to the second	
	le un Calle 1

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Ejercicio 4
class Persona J comparable
} public String Nombre { pet; set; }
Public Persona (string Nonbre)
 } - this numbre = number; }
public Virtual string Describir ()
  { return This. Hombre; }
 public compare int Compare to (objet p)
postige esto compared
     19 & Persona nueva = p as Persona,
    if (nuera != null)
    { return (This, Nombre, Compare to (nueva, Nombre)); {
      { return o; } }
class Persono Turidio: Persona
{ public string cuit Eget; set; }
  public Dersono Turidico (strunp monbre, string cuit) : base (non bre) { this cuit = cuit };
 public override String Describir ()
     } return base. Describin + "-" + this. cuit ; }
class Forming
 List < Persona > List = new List < Persona > ("AnA"),
  new Persona ("Alan"), new Personn Juridica ("Celi", " 353350")}
button Buscar:
  that string buscar = textbox. Text;
    lista.SORT();
    'Persona p = new Persono (buscor, "...")
  int pos = listo. Binary Seach (p); [listolpos]. Destit (pos > -1) { Message. Show (5" lo porusona es {prograndan}} en la Posición & pos?).
```