```csharp
using System;

namespace Practica36
{
    class Busqueda
    {
        private int[] vector;

        public void Cargar()
        {
            Console.WriteLine("Busqueda Binaria");
            Console.WriteLine("Ingrese 10 Elementos");
            string linea;
            vector = new int[10];
            for (int f = 0; f < vector.Length; f++)
            {
                Console.Write("Ingrese elemento " + (f + 1) + ": ");
                linea = Console.ReadLine();
                vector[f] = int.Parse(linea);
            }
        }

        public void busqueda(int num)
        {
            int l = 0, h = 9;
            int m = 0;
            bool found = false;

            while (l <= h && found == false)
            {
                m = (l + h) / 2;
                if (vector[m] == num)
                    found = true;
                if (vector[m] > num)
                    h = m - 1;
                else
                    l = m + 1;
            }
            if (found == false)
            { Console.Write("\nEl elemento {0} no esta en el arreglo", num); }
            else
            { Console.Write("\nEl elemento {0} esta en la posicion: {1}", num, m + 1); }
        }

        public void Imprimir()
        {
```

```csharp
        for (int f = 0; f < vector.Length; f++)
        {
            Console.Write(vector[f] + "  ");
        }
    }

    static void Main(string[] args)
    {
        Busqueda pv = new Busqueda();
        pv.Cargar();
        pv.Imprimir();
        Console.Write("\n\nElemento a buscar: ");
        int num = int.Parse(Console.ReadLine());
        pv.busqueda(num);
        Console.ReadKey();
    }
  }
}
```