کود مهم في Generics و Tupel و Generics عود مهم في

```
using System;
using System.Collections.Generic;
//using System.Runtime.CompilerServices;
//using static tupel_And_Genarace.Program;
namespace tupel_And_Genarace
    delegate bool check(int x);
    class alpha
        private int a;
        private string name;
        public alpha()
            a = 10;
            name = "ali";
        public override string ToString()
            return a + "\n" + name;
class tupel
        بحيث تدعم أنواع مختلفة Generics دالة جمع باستخدام //
        public static string Add<T>(T a1, T a2)
            return a1.ToString() + a2.ToString();
    class dict<d, r>
        private d kilo;
        private r metr;
```

```
public static dynamic add(d a1, r b1)
      return (dynamic) a1 + (dynamic) b1; // استخدام // dynamic لتمكين الجمع بين
class Program
   static void foo(object f)
      //string name;
      //int num;
          Console.WriteLine(f.ToString());
   static void Main(string[] args)
      //dict <int,int> d=new dict<int ,int>();
      alpha a = new alpha();
      foo(100);
      foo("aymen");
      foo(a);
      Console.WriteLine("*******************************);
      Console.WriteLine(tupel.Add('t', 'g'));
      Console.WriteLine(tupel.Add(5, 10));
      Console.WriteLine(tupel.Add("Aymen", " Kamhan"));
      Console.WriteLine(tupel.Add<object>(5, " apples"));
      int result = dict<int, int>.add(5, 10);
      Console.WriteLine(result);
      double result2 = dict<double, double>.add(5.5, 10.5);
      Console.WriteLine(result2);
      string result3 = dict<int, string>.add(5, " apples");
      Console.WriteLine(result3);
```

```
Console.WriteLine("********** befor editor the array
 int[] p = new int[] { 10, 20, 50, 500, 80, 8 };
           for (int i = 0; i < p.Length; i++)</pre>
               Console.Write(p[i].ToString()+" ");
           Console.WriteLine("\n******** after editor the array
********************');
           p = new int[] { 10, 40, 80 };
           for (int i = 0; i < p.Length; i++)</pre>
               Console.Write(p[i].ToString() + " ");
           Console.WriteLine("\n**********************);
           // list
           List<int> 11 = new List<int>();
           11.AddRange(p);
           11.Add(10);
           11.Add(20);
           11.Add(50);
           11.Add(500);
           11.Add(1);
           for (int i = 0; i < l1.Count; i++)</pre>
               Console.WriteLine(l1[i].ToString() + " ");
           Console.WriteLine("\n****************************);
           check p1 = new check((x) => { return x % 2 == 0; });
           int pp = 0;
           foreach(int x in l1)
               Console.WriteLine(x.ToString());
               if (p1(x))
               pp++;
           Console.WriteLine("count even number>> "+ pp.ToString() + "
");
           Console.WriteLine("\n****************************);
```