PRACTICAL 5:

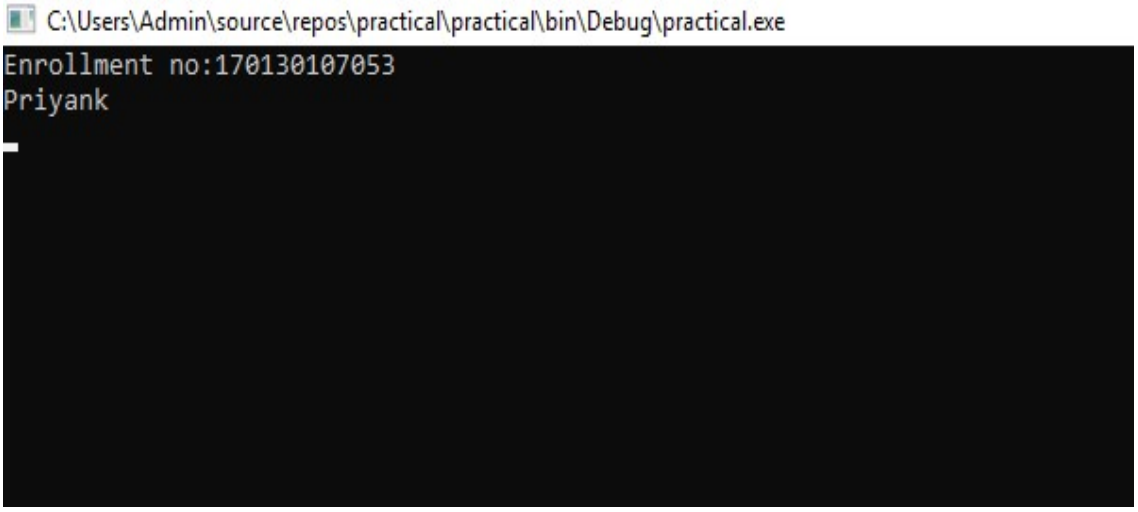
- **Create a C#.net Console Application which Demonstrates the Usage of Properties and Indexers.**

PROPERTIES

```
using System;

namespace practical
{
   class pr5
   {
      private String name;
      public String Name
      {
         get { return name; }
         set { name = value; }
      }
   }
   class pr
   {
      static void Main(String[] args)
      {
         Console.WriteLine("Enrollment no:170130107053");
         pr5 obj = new pr5();
         obj.Name = "Priyank";
         Console.WriteLine(obj.Name);
         Console.ReadKey();
      }
   }
}
```

OUTPUT:



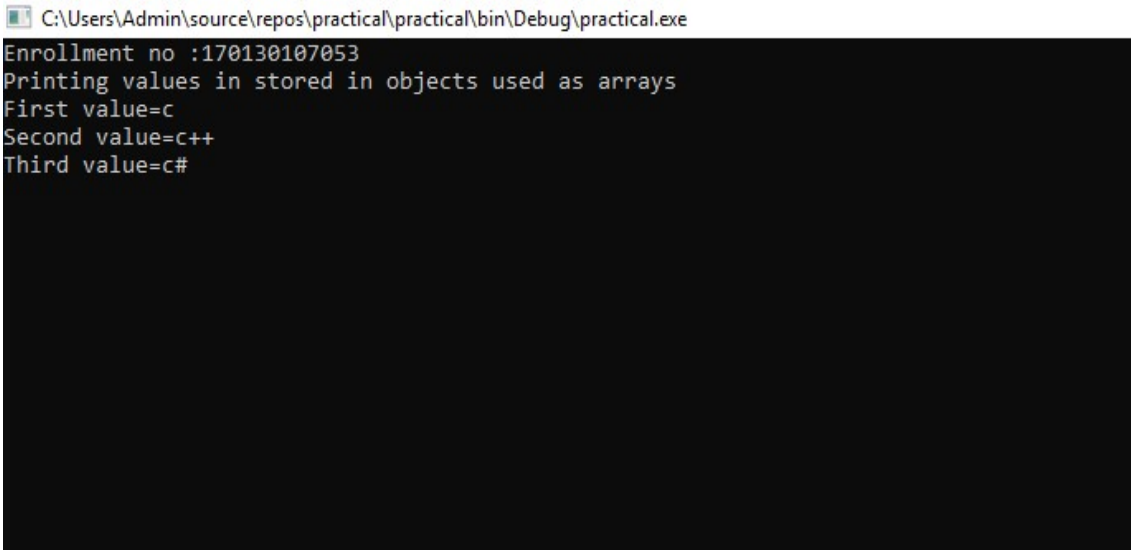
INDEXERS:

```
using System;

namespace practical
{
   class pr5_1
   {
      private String[] val = new string[3];
      public String this[int index]
      {
         get { return val[index]; }
         set { val[index] = value; }
      }
      static void Main(String[] args)
      {
         Console.WriteLine("Enrollment no :170130107053");
         pr5_1 cc = new pr5_1();
         cc[0] = "c";
         cc[1] = "c++";
         cc[2] = "c#";
         Console.WriteLine("Printing values in stored in objects used as arrays");
         Console.WriteLine("First value={0}", cc[0]);
         Console.WriteLine("Second value={0}", cc[1]);
         Console.WriteLine("Third value={0}", cc[2]);
         Console.ReadKey();
      }
   }
```

}

OUTPUT:


C:\Users\Admin\source\repos\practical\practical\bin\Debug\practical.exe
Enrollment no :170130107053
Printing values in stored in objects used as arrays
First value=c
Second value=c++
Third value=c#

PRACTICAL 6

- **Create C#.net Console Application Which Demonstrate the Usage of Delegates in C#.net.**

```
using System;

namespace practical
{
   public delegate void addnum(int a,int b);
   public delegate void subnum(int a, int b);
   class pra6
   {
      static void Main(String[] args)
      {
         Console.WriteLine("Enrollment no :170130107053");
         addnum del1 = new addnum(Addition);
         subnum del2 = new subnum(Subtraction);
         del1(22,70);
         del2(22,13);
         Console.ReadKey();
      }
      public static void Addition(int a,int b)
      {
         Console.WriteLine(a+"+"+b+"="+(a+b));
      }
      public static void Subtraction(int a, int b)
      {
         Console.WriteLine(a+"-"+b+"="+(a-b));
      }
   }
}
```

OUTPUT: