

Assignment

FileHandling-Object Serialization

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```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.IO;
using Microsoft.Office.Interop.Excel;
using System.Runtime.Serialization.Formatters.Binary;
using Newtonsoft.Json;

namespace ConsoleApplication3
{
    public class Accounts
    {
        private int AccountId { get; set; }
        private string acc_HolderName { get; set; }
        private string acc_type { get; set; }
        private double RateOfInterest { get; set; }

        public Accounts(int id, string name, string type, double interest)
        {

            this.AccountId = id;
            this.acc_HolderName = name;
            this.acc_type = type;
            this.RateOfInterest = interest;
        }

        void Getinfo()
        {
            Console.WriteLine("Account Holder ID :" + AccountId);
            Console.WriteLine("Account Holder Name :" + acc_HolderName);
            Console.WriteLine("Account type :" + acc_type);
            Console.WriteLine("Rate of interest :" + RateOfInterest);
        }
    }
}
```

```

}
class main
{
static void Main(String[] args)
{
Accounts a = new Accounts(001, "priya", "savings", 0.75);
a.printinfo();

//Serialization

/* BinaryFormatter bser1 = new BinaryFormatter();
FileStream fs = new
FileStream(@"D:\Hello\EmpBinSer", FileMode.Create, FileAccess.Write, FileShare.Read);
bser1.Serialize(fs, a);
fs.Close();*/

//Deserialization

BinaryFormatter bser2 = new BinaryFormatter();
FileStream fs2 = new FileStream(@"D:\Hello\EmpBinSer", FileMode.Open,
FileAccess.Read, FileShare.Read);
Accounts a2 = bser2.Deserialize(fs2) as Accounts;
fs2.Close();
Console.WriteLine(a2);

//jsonserialization

JsonSerializer serializer = new JsonSerializer();
StreamWriter sw = new StreamWriter(@"D:\Hello\EmpJSONSer.txt");
JsonWriter writer = JsonTextWriter(sw);
serializer.Serialize(writer,a);
writer.Close();
sw.Close();

//XMLSerialization

XmlSerializer x = new XmlSerializer(typeof(Accounts));
TextWriter writer = new StreamWriter(@"D:\Hello\EmpXMLSer.txt");
x.Serialize(writer, a);
writer.Close();

```

```
x.Close();  
}
```

```
}  
}  
}
```