

```
C:\windows\system32\cmd.exe

original datatable:original datatable
Anurag anurag@gmail.com 1236547895
priyanka priyanka@gmail.com 1236544895
preeti preeti@gmail.com 1286547895
Parag parag@gmail.com 1636547895

copy DataTable:copy DataTable
101 Anurag anurag@gmail.com 1236547895
102 priyanka priyanka@gmail.com 1236544895
103 preeti preeti@gmail.com 1286547895
104 Parag parag@gmail.com 1636547895

clone data table:clone data table
clonedatatable is empty
adding data to clonedatatable
101 test1 test1@gmail.com 1236589745
101 test2 test1@gmail.com 1236589745
Press any key to continue . . .
```

```
using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Data;

using System.Data.SqlClient;

namespace copymethod
{
    internal class Program
    {
        static void Main(string[] args)
        {
```

```

try
{
    string str = "server=.
\\SQLEXPRESS;database=StudentDB;integrated security=true";

    SqlConnection con = new SqlConnection(str);
    {
        SqlDataAdapter da = new SqlDataAdapter("select * from
student", con);

        DataTable originaldt=new DataTable();
        da.Fill(originaldt);
        Console.WriteLine("original datatable:original
datatable");

        foreach(DataRow dr in originaldt.Rows)
        {
            Console.WriteLine(dr["name"] + " " + dr["email"] +
" " + dr["mobile"]);
        }
        Console.WriteLine();
        Console.WriteLine("copy DataTable:copy DataTable");
        DataTable copydt = originaldt.Copy();
        if(copydt != null)
        {
            foreach(DataRow dr in copydt.Rows)
            {
                Console.WriteLine(dr["id"] + " " + dr["name"] +
" " + dr["email"] + " "
                + dr["mobile"]);
            }
        }
        Console.WriteLine();
        Console.WriteLine("clone data table:clone data table");
        DataTable clonedt=originaldt.Clone();
    }
}

```

```

        if(clonedt.Rows.Count>0)
        {
            foreach (DataRow dr in clonedt.Rows)
            {
                Console.WriteLine(dr["id"]+" "+dr["name"] + " "
+ dr["email"] + " " + dr["mobile"]);
            }
        }
        else
        {
            Console.WriteLine("clonedatatable is empty");
            Console.WriteLine("adding data to clonedatatable");
            clonedt.Rows.Add("101", "test1", "test1@gmail.com",
1236589745);
            clonedt.Rows.Add("101", "test2", "test1@gmail.com",
1236589745);

            foreach (DataRow dr in clonedt.Rows)
            {
                Console.WriteLine(dr["id"] + " " + dr["name"] +
" " + dr["email"] + " " + dr["mobile"]);
            }
        }
    }
}

catch(Exception ee)
{
    Console.WriteLine("Oops,something went wrong\n" + ee);
}

```

```
        }  
        Console.ReadKey();  
    }  
}
```