

BAL:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace bal
{
    public class subjectcs
    {
        public int subjects_id1 { get; set; }
        public string subjects_name1 { get; set; }
    }
    public class classes
    {
        public int class_roomno { get; set; }
        public int class_strength { get; set; }
    }
    public class student
    {
        public int student_id { get; set; }
        public string student_name { get; set; }
        public int student_class { get; set; }
    }
}
```

DAL:

```
using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using bal;
namespace dataaccess
{
    public class schooldetails
    {
        public List<classes> GetProducts()
        {
```

```

        SqlConnection c = new SqlConnection("Data
Source=DESKTOP-EGVVUL2\\SQLEXPRESS;Initial Catalog=school;Integrated
Security=True");
        SqlCommand cmd = new SqlCommand("select *from class", c);
        c.Open();
        SqlDataReader dr = cmd.ExecuteReader();
        List<classes> plist = new List<classes>();

        while (dr.Read())
        {
            plist.Add(new classes { class_roomno = Convert.ToInt32(dr[0]), class_strength=
Convert.ToInt32(dr[1]) });
        }
        c.Close();
        c.Dispose();
        return plist;
    }

    public List<subjectcs> GetProducts1()
    {
        SqlConnection c = new SqlConnection("Data
Source=DESKTOP-EGVVUL2\\SQLEXPRESS;Initial Catalog=school;Integrated
Security=True");
        SqlCommand cmd = new SqlCommand("select *from subjects", c);
        c.Open();
        SqlDataReader dr = cmd.ExecuteReader();
        List<subjectcs> plist = new List<subjectcs>();

        while (dr.Read())
        {
            plist.Add(new subjectcs { subjects_id1 = Convert.ToInt32(dr[0]), subjects_name1 =
dr[1].ToString() });
        }
        c.Close();
        c.Dispose();
        return plist;
    }

    public List<student> GetProducts2()
    {
        SqlConnection c = new SqlConnection("Data
Source=DESKTOP-EGVVUL2\\SQLEXPRESS;Initial Catalog=school;Integrated
Security=True");
        SqlCommand cmd = new SqlCommand("select *from student ", c);

```

```

        c.Open();
        SqlDataReader dr = cmd.ExecuteReader();
        List<student> plist = new List<student>();

        while (dr.Read())
        {
            plist.Add(new student { student_id= Convert.ToInt32(dr[0]),student_name =
dr[1].ToString(),student_class = Convert.ToInt32(dr[2]) });
        }
        c.Close();
        c.Dispose();
        return plist;
    }
}

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace school_management
{
    public partial class show_class_details : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }
    }
}

```

```

using bal;
using dataaccess;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

```

```

namespace school_management
{
    public partial class showclasses : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

            schooldetails b = new schooldetails();
            List<classes> products = new List<classes>();
            products = b.GetProducts();

            GridView1.DataSource = products;
            GridView1.DataBind();

        }
    }
}

```

```

using bal;
using dataaccess;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

```

```

namespace school_management
{
    public partial class showsubjects : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            schooldetails b = new schooldetails();
            List<subjects> products = new List<subjects>();
            products = b.GetProducts1();

            GridView1.DataSource = products;
            GridView1.DataBind();

        }
    }
}

```
