

1) Goto Models and create the following classes

```
public class Course : TableEntity
{
    public Course() { }

    public string Title { get; set; }

    public int Fees { get; set; }

    public string Notes { get; set; }
}

public class CourseViewModel : Course
{
    public string specialization { get; set; }
    public string target { get; set; }
}
```

2) create a bl class say "BLTable" and provide the operations.

```
public class BLTable

{
    public CloudTable GetTableRef()
    {
        CloudStorageAccount storageac = CloudStorageAccount.Parse(
            RoleEnvironment.GetConfigurationSettingValue("scn"));
        CloudTableClient tblclient = storageac.CreateCloudTableClient();
    }
}
```

```

        CloudTable table = tblclient.GetTableReference("course");
        table.CreateIfNotExists();

        return table;
    }

    public void AddDataInCourse(CourseViewModel c)
    {
        CloudTable tcInt = GetTableRef();
        Course crse = new Course()
        {
            PartitionKey = c.specialization,
            RowKey = c.target,
            Title = c.Title,
            Fees = c.Fees,
            Notes = c.Notes
        };
        TableOperation operation = TableOperation.Insert(crse);
        tcInt.Execute(operation);
    }

    public List<Course> GetCourses()
    {
        CloudTable table = GetTableRef();
        var x = from n in table.CreateQuery<Course>() select n;

        //var y= new
        TableQuery<CustomerEntity>().Where(TableQuery.GenerateFilterCondition("PartitionKey",
            //QueryComparisons.Equal, "Smith"));

        // TableOperation retrieveOperation = TableOperation.Retrieve<Course>("Dotnet",
        "Student");

        return x.ToList<Course>();
    }

```

```
}
```

```
}
```

3) add a controller say "TableController" and add the following methods.

```
public class TableController : Controller
```

```
{
```

```
    // GET: Table
```

```
    BLTable bl = new BLTable();
```

```
    public ActionResult Index()
```

```
    {
```

```
        return View(bl.GetCourses());
```

```
    }
```

```
    public ActionResult Create()
```

```
    {
```

```
        return View();
```

```
    }
```

```
    [HttpPost]
```

```
    public ActionResult Create(CourseViewModel c)
```

```
    {
```

```
        bl.AddDataInCourse(c);
```

```
        return RedirectToAction("Index");
```

```
    }
```

```
}
```

=====

