1. Create a Student Relational Database in 3rd Normalization Form which will have following Data: 20

Student ID	Student Name	Admission Date	Course Name	Semester
1148703	MD. HAYATUNNABI	1/1/2011	C#, HTML, XML	FALL
1149293	MD. SHAJADUR RAHMAN	2/1/2011	HTML, JAVA, XML	SUMMER
1150930	MD. ESAHAK ALI	1/2/2011	XML, HTML, UML	SUMMER
1151177	MD. AZMAL HOSSAIN	2/2/2011	C#, UML, XML	FALL
1151229	MD. AMINUL ISLAM	1/3/2011	C#, HTML, XML	FALL
1152211	MD. ABDULLAH AL MAMUN	5/3/2011	HTML, JAVA, XML	SUMMER
1153398	MD. AL AMIN	2/4/2011	XML, HTML, UML	SUMMER
1153694	MD. RAFIQUL ISLAM	4/4/2011	C#, UML, XML	FALL
1153725	MD. ABDULLAH	2/5/2011	C#, HTML, XML	FALL
1153816	MIFTAHUL ISLAM	4/5/2011	HTML, JAVA, XML	SUMMER
1154762	MOHAMMAD RAFIQUL ISLAM	1/1/2011	XML, HTML, UML	SUMMER
1148703	MD. HAYATUNNABI	2/1/2011	C#, UML, XML	FALL
1149293	MD. SHAJADUR RAHMAN	1/2/2011	C#, HTML, XML	FALL
1150930	MD. ESAHAK ALI	2/2/2011	HTML, JAVA, XML	SUMMER
1151177	MD. AZMAL HOSSAIN	1/3/2011	XML, HTML, UML	SUMMER

2. Write a query which will be in the form of join query to view all the information altogether in ascending to date.
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3. Write a sub-query to show all the information of FALL Semester.   8

4. Create a view to show all the information in a meaning full order related to C#   9

```sql
Create Table Courses
(
        CourseId Int Primary Key,
        CourseName Varchar(30) Not Null
)
Go

Create Table Semesters
(
        Id INT Primary Key,
        S_Name Varchar(20),
)
Go
Create Table Students
(
        Id Int Primary Key,
        Name Varchar(40) Not Null,
        Admission Date Not Null,
        Semester_Id Int Not Null References Semesters(Id)
)
Go

Create Table StudentCourse
(
        StudentId Int Not Null References Students(Id),
        Course_Id Int Not Null References Courses(CourseId),
        Primary Key(StudentId,Course_Id )
)
Go

Insert Into Courses
```

```sql
Values
(1,'C#'),
(2,'HTML'),
(3,'XML'),
(4,'JAVA'),
(5,'UML')
Go

Insert Into Semesters
Values
(1,'Fall'),
(2,'Summer')
Go

Insert Into Students
Values
(1148703,'Md. Hayatunnabi','1-1-2011',1),
(1149293,'MD. SHAJADUR RAHMAN','2-1-2011',2),
(1150930,'MD. ESAHAK ALI','1-2-2011',2),
(1151177,'MD. Azmal Hossain','2-2-2011',1)
Go

Insert Into StudentCourse
Values
(1148703,1),
(1149293,2)
Go

Select * From Students
Select * From Courses
Select * From Semesters
Select * From StudentCourse

--Join Query--
Select S.Id,S.Name,S.Admission,C.CourseName,SM.S_Name 'Semester'
From Semesters Sm
Inner Join  Students S
On Sm.Id = S.Semester_Id
Inner Join StudentCourse SC
On S.Id = SC.StudentId
Inner Join Courses C
On SC.Course_Id = C.CourseId
Order By S.Admission
Go




--Subquery--
Select S.Id,S.Name,S.Admission,C.CourseName,(Select S_Name From Semesters where S_Name='Fall'
) 'Semester'
From Semesters Sm
Inner Join  Students S
On Sm.Id = S.Semester_Id
Inner Join StudentCourse SC
On S.Id = SC.StudentId
Inner Join Courses C
On SC.Course_Id = C.CourseId
Order By S.Admission
Go

Create View vStudentInfo
As
Select S.Id,S.Name,S.Admission,C.CourseName,SM.S_Name 'Semester'
From Semesters Sm
Inner Join  Students S
```

```sql
On Sm.Id = S.Semester_Id
Inner Join StudentCourse SC
On S.Id = SC.StudentId
Inner Join Courses C
On SC.Course_Id = C.CourseId
Where C.CourseName='C#'
Go

Select * From vStudentInfo
Go
Select * From Departments
```