# Primary Key and Foreign Key

Create following tables using SSMS

Student

- Name
- Age
- Address
- Course student has enrolled into

Courses

- Title
- Details

Create the above tables with appropriate primary and foreign keys

Set data types appropriately.

The PK identity, seed 1 and increment by 1

# Queries

1. Create insert script for the following course data –

| **Title** | **Details** |
|---|---|
| Maths | Maths Course |
| Computer Science | Computer Science full course |
| Electronic Science | Electronic Science full course |
| Biology | Biology full course |

2. Create insert script for following student data –

| Name | Age | Address | Course |
|---|---|---|---|
| Steven King | 21 | 2014 Jabberwocky Rd | Maths |
| Neena Kochhar | 20 | 2011 Interiors Blvd | Biology |
| Lex De Haan | 21 | 2004 Charade Rd | Biology |
| Alexander Hunold | 19 | 147 Spadina Ave | Computer Science |
| Bruce Ernst | 22 | 8204 Arthur St | Computer Science |
| David Austin | 21 | Schwanthalerstr. 7031 | Computer Science |
| Valli Pataballa | 20 | Magdalen Centre, The Oxford Science Park | Maths |

   a.
3. Show the full list of students with each row also showing the Title and details of the course student has enrolled in

4. Use inner join between Employee, jobs and department table to show the following data
    a. Emp full name, job title, department name
5. Course wise show count of students.
6. Show all students who all belong to course Title ending with “Science”
7. Create the above query with inner join and in clause
8. List all students alphabetically arranged
9. Show all students alphabetically arranged by Title of course
10. Show Course having the max number of students
11. Show list of courses order by the number of students in each
12. Show the following list-

| Steven King - Maths |
| --- |
| Neena Kochhar - Biology |
| Lex De Haan - Biology |
| Alexander Hunold - Computer Science |
| Bruce Ernst - Computer Science |
| David Austin - Computer Science |
| Valli Pataballa - Maths |

    a.