**Create a sql file using your roll number (ex. 1107001.sql)**

**Use separate line for each command.**

1. Create the tables of the following schema maintaining the relations

|  |  |
| --- | --- |
| **TEA\_COU** |  |
| TEACHER\_ID | FK |
| COURSE\_ID | FK |

|  |  |
| --- | --- |
| **STD\_COU** |  |
| STUDENT\_ID | FK |
| COURSE\_ID | FK |

|  |  |
| --- | --- |
| **TEACHERS** |  |
| TEACCHER\_ID | PK |
| NAME |  |
| DESIGNATION |  |
| DEPARTMENT |  |
| PHONENUMBER |  |

|  |  |
| --- | --- |
| **COURSE** |  |
| COURSE\_ID | PK |
| NAME |  |
| CREDIT |  |

|  |  |
| --- | --- |
| **STUDENTS** |  |
| STUDENTS\_ID | PK |
| NAME |  |
| YEAR |  |
| DEPARTMENT |  |
| CGPA |  |

1. Describe the above created tables.
2. Set NAME from COURSE as a unique key.
3. The STUDENT\_ID from STUDENTS should be between 1207001 to 1207060
4. The default value for DEPARTMENT of STUDENTS table is “CSE”
5. Insert 2 or 3 demo records in all the tables maintaining relationship.
6. Show all the contents of the tables.
7. Sort the students according to their CGPA.
8. Show all the professor’s name in “CSE” department in a column named PROFESSORS