In the question, the table given has repeated groups in (subj\_code, subj\_title, sem\_year, staff\_id, convenor, grade) for each and every (stud\_id and Stud\_name) This must be modified to make it into atomic values which is easier to be read by the database software.

Also sem and year need to be in different columns as semester and years are different datas.

Also marks and grades need to be in different columns as well as they are related but have different data types.

The 1NF form of the given table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| stud\_id | stud\_name | subj\_code | subj\_title | sem\_ |  | year | staff\_id | convenor | mark | grade |
| 1234 | John Smith | ITM2005 | System Architecture | 1 | | 2015 | 111 | Bob Hauser | 83 | D |
| 1234 | John Smith | ACS1005 | Data Mgmt | 2 | | 2015 | 222 | Jane Collins | 44 | N |
| 9555 | Peter Nguyen | ITM2005 | System Architecture | 1 | | 2015 | 111 | Bob Hauser | 95 | HD |
| 9555 | Peter Nguyen | PRG1001 | Programming I | 2 | | 2015 | 333 | Ahmad Singh | 65 | C |