COMP 3005: Database Management Systems – Assignment 1 – Andy Chia – 101111058

|  |  |  |
| --- | --- | --- |
| 1. | (a) | No both *s\_id* and *i\_id* is not suitable to be a primary key if a student can have more than one supervisor and since an instructor can supervise multiple students, they also cannot have the primary key in the relationship. There will have to be a new ID to link each relation together as the primary key. |
|  | (b) | The reason why both *course\_id* and *prereq\_id* is both primary keys is because if there is more than one prereq for the class, there can’t be multiple entries with the same *course\_id*. |
|  | (c) | By removing *ID* from the primary key, it would make it so that there can only be one instructor for the course, section, semester, and year since they are primary keys. |