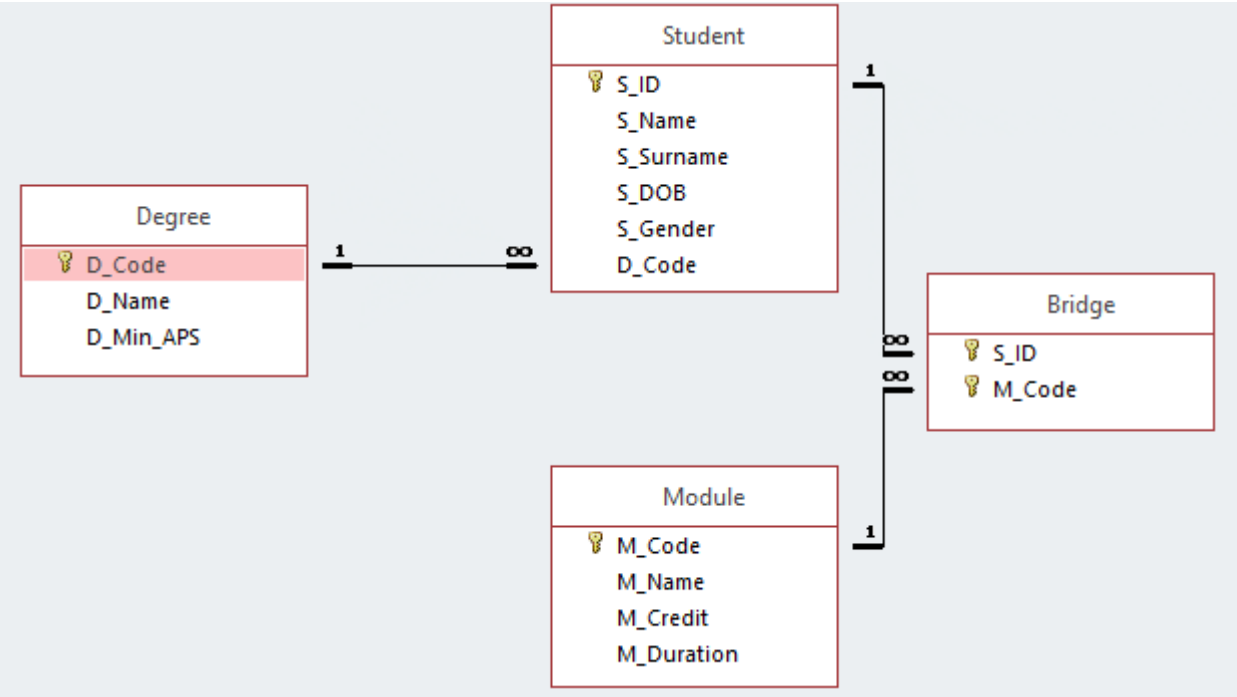
University of Johannesburg
Academy of Computer Science & Software Engineering
IFM2A10: Informatics 2A – Database Design
Practical Assignment 3
Due: ~ 20 March @ 23:59

Assignment



The University has given you a relationship view of how to tables should be linked and was kind enough to provide you with the tables and some test data.

The University would like to keep track of **a student's mark** and asked you to added in to the database.

Complete and **save** the following **SQL queries**:

A. Create the necessary tables and relationships for the University, and create all the necessary fields (select appropriate data types). Name this query "**A1**", "**A2**", etc.
B. Add the information from the provide tables into to your database. Name this query "**B1**","**B2**", etc.
C. List all the Degrees that are link to a student. Name this query "**C**".
D. List all the students that have registered for IFM2A and CSC2A. Name this query "**D**".
E. List all the students that have registered for IFM2A or CSC2A. Name this query "**E**".
F. List the number of students registered for each Degree. Name this query "**F**".
G. List the average mark for each subject. Name this query "**G**".
H. List all the degrees that have no students. Name this query "**H**".
I. List the number of modules linked to each degree. Name this query "**I**"

Instructions

- **The database should be stored in a folder named using the following named using your student number followed by the practical identifier, eg. 212345678_P01**
- **Each query should be saved and named based on the query indetifier, eg. Query A, QueryB_1**
- **Submission details are outlined in the General Undergraduate Learning Guide. Please ensure that the submission complies with the instructions therein.**

Mark Allocation

Query A	
Query B	
Query C	
Query D	
Query E	
Query F	
Query G	
Query H	
Query I – Bonus	
Total	
Penalties • Late submission [0%]	

Bonus: solve the riddle in session.

In the land where the sun shines bright, As autumn leaves take their flight. On the third of April, with the morning light, At ten o'clock, I'm in sight.

What am I, shining bright?