**Design**

* connection() establish the connection between my java program and database server and returns the connection type conn variable.
* query1() method is the void method it prints the following query and prints the SQL Exception.

Query - **select author.emailaddr,author.firstname, author.lastname, paper.id, paper.title, paper.abstract from author inner join paper on author.emailaddr=paper.authoremail;**

Question - Get a submitted paper’s details by the author’s Primary Key. The query should return the following data (columns): Paper.Id, Paper.Title, Paper.Abstract, Author.EmailAddress, Author.FirstName, Author.LastName

* query2() method is the void method, it prints following query and prints the SQL Exception.

Query - **select** *\** **from review where recommendation='can publish';**

Question - Get all reviews for a paper by the paper’s Id, where the paper was recommended to be published. The query should return the following data (columns): All columns from the Review table.

* query3() method is the void method, it prints following query and prints the SQL Exception.

Query - **select** *count***(id) from paper;**

Question - Get a count of all papers submitted.

* query4Insert(String email,String fname,String lname,String title,String filename,String abt)method is the int method it returns 1 for success and 0 for fail, it executes the following query and prints the SQL Exception.

Query - **insert into author values (?,?,?);**

**insert into paper(title,filename,authoremail,abstract) values (?,?,?,?);**

Question - Create a new paper submission. Remember this includes creating new records in both the Author and Paper tables.

* query5Delete(String email) is the int method returns 1 for success, 0 for failure and prints the SQL Exception.

Query - **delete from author where emailaddr=?;**

Question - Try and Delete the first “Author” row in your Author table by the author’s id. Did you receive an error? If yes, print to the console the error you received. Also note in your message why the query failed. If it didn’t fail, print a message explaining why you were able to delete the row.

My query not deletes the first author, it try to deletes the author record by email.

If it prints 1 it means author record is successfully deletes which means it don’t have any references to other table.

If it prints 0 it means there is no record with that email.

**How to run this code**

* Connect your MySql server by specifying host link in HOST variable, database name in the DB variable, user name in the USER variable and password for user in the PASSWORD variable.
* In the main method insert the required details i.e. Author email, Author first name, Author last name, paper title, paper title, paper filename and paper abstract in the query3Insert() method.
* Insert the required author email in the query5Delete method to delete the author record.
* Finally run the code