

IS 225 Database Special Project

You are the DBA for a private college. The chancellor is offering scholarships and would like you to create a system for tracking the scholarship awards. After interviewing the chancellor you have documented the following business rules:

1. The college is awarding multiple scholarships to multiple students
2. A student can submit an application to multiple scholarships.
3. A student can be awarded only one scholarship.

Scholarships

ID	Scholarship_Name	Amount_Available
1	Presidents Award	\$15,000
2	Chancellor Academic Award	\$25,000
3	Chevron Award	\$20,000

Students

ID	First_Name	Last_Name
1	Stephen	Bowers
2	Michael	Eppenberger
3	Kirkland	French
4	Jonathan	Majors
5	Julian	Moll
6	Alexander	Valov
7	ChengLong	Ruan
8	Meagan	Schreiber
9	Lina	Shapovalova

Scholarship_Applications

ID	Student_ID	Scholarship_ID	Essay_Response
1	2	2	Lorem ipsum dolor sit amet, cu soluta nostrud mea. Dolorum alienum ius in, vim an bonorum fabellas atomorum. Est ut alterum meliore volutpat,
2	2	3	Congue incorrupte disputando est ei, his omnes munere an. Quem solum justo ut eos, duo ea probo malis option, te omnes
3	1	1	Congue incorrupte disputando est ei, his omnes munere an. Quem solum justo ut eos, duo ea probo malis option, te omnes
4	3	3	Congue incorrupte disputando est ei, his omnes munere an. Quem solum justo ut eos, duo ea probo malis option, te omnes congue
5	3	2	Nam te feugait platonem corrumpit, reque disputationi voluptatibus et vis. Ius eu alia vocibus
6	4	1	Lorem ipsum dolor sit amet, cu soluta nostrud mea. Dolorum alienum ius in, vim an bonorum fabellas atomorum. Est ut alterum meliore volutpat, timeam fuisset argumentum an sed. Veniam civibus et vim, admodum reprimique usu at.

7	4	3	Est ut alterum meliore volutpat, timeam fuisset argumentum an sed. Veniam civibus et vim, admodum reprimique usu at.
8	5	2	Veniam civibus et vim, admodum reprimique usu at.
9	7	3	Id ius detraxit aliquando. Vis wisi vituperata an, ad duo mazim dolorem. Semper convenire et sed. Ea latine debitis sed, cu iusto percipit quo, usu malorum voluptatibus an.
10	7	1	Id ius detraxit aliquando. Vis wisi vituperata an, ad duo mazim dolorem. Semper convenire et sed. Ea latine debitis sed, cu iusto percipit quo, usu malorum voluptatibus an.
11	9	3	Nullam prompta theophrastus mea et, id sea prima sensibus. Eu ipsum vocibus vis, at essent vituperata eum. Ex est cibo posidonium, et mei pertinacia efficiantur. Meis graeco perpetua per
12	8	3	Nullam prompta theophrastus mea et, id sea prima sensibus. Eu ipsum vocibus vis, at essent vituperata eum.
13	9	2	Ex est cibo posidonium, et mei pertinacia efficiantur. Meis graeco perpetua per ad, eu aliquid propriae inimicus quo. Prima nonumes eum ut, incorrupte disputando voluptatibus et sed.
14	6	2	Nullam prompta theophrastus mea et, id sea prima sensibus. Eu ipsum vocibus vis, at essent vituperata eum.

Scholarship_Awards

ID	Scholarship_ID	Student_ID	Amount_Awarded
1	2	9	\$1,500
2	3	8	\$1,500
3	1	7	\$2,000
4	2	6	\$1,500
5	2	5	\$3,000
6	3	4	\$5,000
7	3	3	\$2,500
8	2	2	\$2,500
9	1	1	\$1,500

Complete the following as the graded assignment:

1. Create the ERD described by the business rules.
2. Create a SQL script to create the tables and indexes as required using the data listed above.
3. Create a SQL script to load the data into the tables.
4. Create a SQL query to display:
Student First_Name, Student Last_Name, Scholarship_Name, Essay_Response, Amount_Awarded
5. Create a SQL query to display:
Scholarship_Name, Average Amount Awarded
6. Create a SQL query that displays:
Scholarship_Name, Total Amount Awarded