**California State University, Fresno – Fall 2013**

**Computer Science 226, Advanced Database Systems (3 units)**

**Assignment #2: Relations**

**Due:** 9/20

**Value:** 20 points

This assignment will consist of creating a simple GitHub project and uploading a database creation .sql file.

**Part 1 : GitHub Project** (5 points)

In this part of this assignment you will need to create a public project in GitHub.

**Part 2 : Simple DB in MySQL** (15 points)

In this part of the assignment we are going to create a simple database of five tables with integer values. You will create 5 tables:

R1( K, A, B, C)

R2( K, D, E)

R3( A, A1, A2, A3)

R4( B, B1, B2)

R5( C, C1, C2, C3, C4, C5)

w/ K a key value for R1 and R2.

w/ A a key value for R3.

w/ B a key value for R4.

w/ C a key value for R5.

You will need to load the following data into the database:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| K | A | B | C | D | E | A1 | A2 | A3 | B1 | B2 |
| 4 | 2 | 0 | 6 | 1 | 6 | 4 | 6 | 8 | 0 | 0 |
| 5 | 2 | 0 | 5 | 1 | 5 | 4 | 6 | 8 | 0 | 0 |
| 1 | 1 | 3 | 8 | 1 | 8 | 2 | 3 | 4 | 9 | 27 |
| 2 | 1 | 3 | 7 | 1 | 7 | 2 | 3 | 4 | 9 | 27 |
| 3 | 2 | 3 | 3 | 1 | 3 | 4 | 6 | 8 | 9 | 27 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| C | C1 | C2 | C3 | C4 | C5 |
| 4 | 2 | 0 | 6 | 1 | 6 |
| 5 | 2 | 0 | 5 | 1 | 5 |
| 1 | 1 | 3 | 8 | 1 | 8 |
| 2 | 1 | 3 | 7 | 1 | 7 |
| 3 | 2 | 3 | 3 | 1 | 3 |

Create the tables and insert the data all using a single SQL File named assgn.2.sql. Once completed, upload the file assgn.2.sql to your GitHub project, and send me the link.