Al Yamamah University Introduction to Database system (CIS221)

## College of Engineering and Architecture Dr. Jawad Berri

Project Part II

**Given date: Week 12**

**Date due: Week 15 (Monday 6, December 2023)**

**The project will be carried out by groups each containing 2 students.**

**Software Database - SQL**

We will concentrate only on the following part of the Software database you created in project part 1.

A script ‘SoftwareDB V1’ has been uploaded on LMS to create that part of the database. Download it and run the script to create the Software database.

**Developer**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DID** | **Name** | **email** | **Mobile#** | **City** |

**Loans**

|  |  |  |
| --- | --- | --- |
| **DID** | **SID** | **date** |

**Software**

|  |  |  |  |
| --- | --- | --- | --- |
| **SID** | **Category** | **Name** | **Cost** |

Write SQL statements to answer the following in MySQL:

1. Which developer lives in “Amman”?
2. List the software IDs, names and their costs in increasing order.
3. List the software category and name loaned by developers living in Riyadh.
4. Provide the list of software name and cost for costs greater than 100,000. The list should be ordered according to each category.
5. Which software has the maximum and minimum cost?
6. How many software have a cost greater than 100,000?
7. Compute the total cost of software loaned by developer “The Pirate”.
8. Increase all the software cost in table Software with 15%
9. Delete all software with categories “AI” and “DB”.

**What to submit:**

Submission must be done through LMS by only one member of the group. The report should include the following (Use the Template Provided):

1. The names of the project members and their IDs.
2. For each of the previous SQL queries questions
   1. Copy the SQL query code
   2. The result returned by SQL when executing the SQL query