**DML lab**

According to the university database, please do the following queries:

1. Add the following rows to the **faculty** table.

|  |  |
| --- | --- |
| ID | Name |
| 1 | School of Computing and Informatics |
| 2 | School of Engineering Technology |

1. Add the following rows to the **department** table.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | credit\_hours | faculty\_number |
| Computer Science | The Computer Science program at HTU ultimately aspires to prepare professional, critical thinkers and highly qualified students who are ready to meet the demands of the ICT industrial sectors locally, regionally and globally. The Computer science program involves the understanding and design of computers and computational processes. | 132 | 1 |
| Data Science | The Information Sciences program is the study of the characteristics and behaviour of information, the factors governing its flow and the means of processing it to facilitate the maximum utilization of information. | 132 | 1 |
| Cyber Security | The Cybersecurity Program prepares students to assess computer and network system security needs, recommend safeguard solutions and manage the implementation of security devices. | 132 | 1 |
| Civil Engineering | The Civil Engineering Program aims to provide the market with individuals who are fully aware of the impact of civil engineering profession on both the built and the natural environment. | 160 | 2 |
| Mechanical Engineering | In the department of Mechanical Engineering (M.E.), we are in a constant look of the highest quality practical industrial partnerships and educational delivery. | 192 | 2 |

1. Add the following rows into **instructor** table.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSN | First\_name | Last\_name | birthdate | Office | Rank | Salary | specialty | email | password | Dept\_name | Role\_id |
| 888665555 | James | Borg | 1937-11-10 | F07 | Professor | 7500 | Security | James@htu.edu.jo | 123 | Data science | 1 |
| 333445555 | Franklin | Wong | 1955-12-08 | F02 | Assistant Professor | 4700 | Network | Franklin@htu.edu.jo | 456 | Computer Science | 2 |

1. Add the following rows into **student** table.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| number | first\_name | last\_name | Birthdate | email | password | dept\_name | advisor\_SSN |
| 21331600 | Rania | Stuart | 2010-02-02 | Rania@htu.edu.jo | MD5('222') | Data science | 888665555 |
| 18441422 | Kishan | Herring | 2006-03-01 | Kishan@htu.edu.jo | MD5('333') | Mechanical Engineering | 777888999 |
| 19881211 | Uzma | Hassan | 2007-07-11 | Uzma@htu.edu.jo | MD5('555') | Computer Science | 333445555 |
|  |  |  |  |  |  |  |  |

1. Add the following rows into **student-address** table.

|  |  |  |  |
| --- | --- | --- | --- |
| student\_number | Country | city | street\_name |
| 21331600 | Lebanon | Beirut | Majidiye |
| 18441422 | Jordan | Amman | Husni Soubar Street |
| 18441422 | Syria | Tartus | Al Thaurah |
| 19881211 | Jordan | Amman | Wadi al Seer Street |

1. Add the following rows into **course** table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Code | title | hours | active | dept\_name |
| 30202470 | Special Topics | 3 | true | Computer Science |
| 30202240 | Engineering Design | 4 | true | Mechanical Engineering |
| 30202251 | Artificial Intelligence | 3 | true | Data Science |
| 30202230 | Business Intelligence | 3 | true | Data Science |

1. Add the following rows into **section** table.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| course\_code | id | year | semester | instructor\_SSN |
| 30202470 | 1 | 2023 | 2 | 333445555 |
| 30202251 | 1 | 2022 | 2 | 888665555 |
| 30202251 | 1 | 2023 | 2 | 888665555 |
| 30202230 | 1 | 2023 | 2 | 888665555 |

1. Change the active of title Artificial Intelligence to false.
2. Remove the section with ‘30201101’.
3. Retrieve first\_name and last\_name for all student in city
4. Retrieve all id student that live in country Jordan and city Amman.