

Assiment05

Part 01

- **Restore MyCompany Database and**

then: Try to create the following

Queries:

1. **Display all the projects names, locations and the department which is responsible for it.**

Part 02

Restore ITI Database and then:

1. Display instructor Name and Department Name Note: display all the instructors if they are attached to a department or not.
2. Display student full name and the name of the course he is taking for only courses which have a grade.
3. Select Student first name and the data of his supervisor.
4. Display student with the following Format.

Student ID	Student Full Name	Department name

Part 03

Using MyCompany Database and try to create the following Queries:

1. Display the Department id, name and id and the name of its manager.
2. Display the name of the departments and the name of the projects under its control.
3. Display the full data about all the dependence associated with the name of the employee they depend on.
4. Retrieve the names of all employees in department 10 who work more than or equal 10 hours per week on the "AL Rabwah" project.
5. Find the names of the employees who were directly supervised by Kamel Mohamed
6. Display All Data of the managers
7. Retrieve the names of all employees and the names of the projects they are working on, sorted by the project name.
8. For each project located in Cairo City, find the project number, the controlling department name, the department manager's last name, address and birthdate.
9. Display All Employees data and the data of their dependents even if they have no dependents.

Part 04

Use ITI DB

1. Retrieve a number of students who have a value in their age.
2. Display student with the following Format (use isNull function)

Student ID	Student Full Name	Department name

3. Select instructor name and his salary but if there is no salary display value '0000' .
“use one of Null Function”
4. Display max and min salary for instructors
5. Select Average Salary for instructors
6. Display instructors who have salaries less than the average salary of all instructors.
7. Display the Department name that contains the instructor who receives the minimum salary
8. Select max two salaries in instructor table.
9. Display number of courses for each topic name
10. Select Supervisor first name and the count of students who supervises on them

Part 05

Use MyCompany DB

1. Display the data of the department which has the smallest employee ID over all employees' ID.
2. List the last name of all managers who have no dependents
3. Display the employee number and name if he/she has at least one dependent (use exists keyword) self-study.
4. For each project, list the project name and the total hours per week (for

all employees) spent on that project.

5. For each department, retrieve the department name and the maximum, minimum and average salary of its employees
6. For each department-- if its average salary is less than the average salary of all employees display its number, name and number of its employees.