

King Saud University

College of Applied Studies and Community Service

Programming and Database Diploma

CT1313

**Lab (4)**

**Q: Login to SQL and write SQL queries to do the following:**

|  |  |  |
| --- | --- | --- |
| **Column name** | **Data Type** | **Size** |
| \*DNo | Varchar2 | 2 |
| DName | Varchar2 | 15 |

1. **Create Employee and Department tables based on the following table specification and add all Constraints:**

|  |  |  |
| --- | --- | --- |
| **Column name** | **Data Type** | **Size** |
| \*SSN | Varchar2 | 5 |
| Name | Varchar2 | 15 |
| \*\*Dept\_num | Varchar2 | 2 |
| Age | number | 2 |

***Employee* *Department***

\* Primary Key, \*\*Foregone Key

Age>18

Name not null

DName unique

1. **Fill the tables with this data:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SSN** | **Name** | **Dept\_num** | **Age** |
| **111** | **Sarah** | **1** | **25** |
| **112** | **Nourah** | **2** | **30** |

|  |  |
| --- | --- |
| **DNo** | **DName** |
| **1** | **Accounting** |
| **2** | **Management** |
| **3** | **IT** |

1. **Change the department number to 2 for only sarah.**
2. **Remove IT department from department table.**
3. **Find the names of employees who work on department number 2.**
4. **Add a salary column in employee table with number data type and default value 4000**
5. **Provide a list of all salaries after adding 200 then multiply by 0.3 in a list called New salary, for employees who worked in department number 2.**