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| **www.enosislearning.com** |
| 2.0 SQL ASSIGNMENTS |
| This assignments is related to adding different types of constraints to the tables of SQL SERVER |

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**CREATE A TABLE FOR COMPANY**

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | DATATYPE | CONSTRAINT |
| COMPANYID | INT | PRIMARY KEY, IDENTITY(1,1) |
| COMPANYNAME | VARCHAR(100) |  |
| WEBSITE | VARCHAR(100) |  |
| EMAIL | VARCHAR(100) |  |

**ADD TWO COMPANY NAME TO THE TABLE using INSERT STATEMENTS**

**CREATE A TABLE FOR DEPT**

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | DATATYPE | CONSTRAINT |
| DEPTID | INT | PRIMARY KEY, IDENTITY(1,1) |
| DEPTNAME | VARCHAR(100) |  |
| DEPTLOCATION | VARCHAR(100) |  |
|  |  |  |

**ADD FIVE DEPT NAME TO THE TABLE**

**CREATE A TABLE FOR DESG**

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | DATATYPE | CONSTRAINT |
| DESGID | INT | PRIMARY KEY |
| DESGNAME | VARCHAR(100) |  |
| CREATEDDATE | DATETIME | DEFAULT - GETDATE() |
|  |  |  |

**ADD FIVE DESIGNATION NAMES TO THE TABLE**

**CREATE A TABLE FOR EMPLOYEE**

|  |  |  |
| --- | --- | --- |
| COLUMN\_NAME | DATATYPE | CONSTRAINT |
| EMPID | INT | PRIMARY KEY |
| EMPNAME | VARCHAR(100) | UNIQUE |
| BASICSALARY | FLOAT |  |
| INCENTIVE | FLOAT |  |
| BONUS | FLOAT |  |
| DOB | DATETIME |  |
| DOJ | DATETIME | DEFAULT GETDATE() |
| GENDER | VARCHAR(100) |  |
| EMAIL | VARCHAR(100) | UNIQUE |
| MOBILE | VARCHAR(10) |  |
| CREATEDDATE | DATETIME | DEFAULT GETDATE() |

**ADD 10 EMPLOYEES TO THE TABLE**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CREATE A TABLE SIMILAR TO THIS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ROLLNO** | **NAME** | **ENGMARKS** | **SCNMARKS** | **MATHMARKS** |
|  |  |  |  |  |

**Add around 10 records into the table.****After adding the records add the following constraints to the table**

|  |  |
| --- | --- |
| **COLUMN\_NAME** | **CONSTRAINTS** |
| **ROLLNO** | **PRIMARY KEY** |
| **NAME** | **UNIQUE** |
| **ENGMARKS** | **CHECK CONSTRAINT TO ALLOW ONLY VALUES BETWEEN 0 TO 100** |
| **SCNMARKS** | **CHECK CONSTRAINT TO ALLOW ONLY VALUES BETWEEN 0 TO 100** |
| **MATHMARKS** | **CHECK CONSTRAINT TO ALLOW ONLY VALUES BETWEEN 0 TO 100** |

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