**Lab Performance 04**

**Data Constraints**

***\*login as system***

1. Create following **department** table according to given data type and constraints:

|  |  |  |
| --- | --- | --- |
| **Column name** | **Data type** | **Constraint** |
| deptid | number(3) | primary key |
| dept\_name | varchar(6) | only CSE, EEE, BBA, Eng, Ach allowed |
| budget | number(6) | default value 0 |

2. Create following **course** table according to given data type and constraint:

|  |  |  |
| --- | --- | --- |
| **Column name** | **Data type** | **Constraint** |
| crs\_id | number(4) | primary key |
| crs\_name | varchar2(20) | not null |
| deptid | number(3) | foreign key from department table |

**Edit Constraints**

***\*login as system***

1. Create the table below according to given data types.

|  |  |
| --- | --- |
| **Column Name** | **Data Type** |
| s\_id | Number |
| s\_name | Varchar2(20) |
| Phone | Number |
| Address | Varchar2(50) |
| Email | Varchar2(30) |
| credit\_completed | Number(3) |
| course\_completed | Number(2) |
| CGPA | Number(3,2) |
| Deptno | number(5) |
| Gender | Varchar2(6) |

2. Set **s\_id** as primary key of the table.  
3. Set constraint not null on the column **s\_name.**  
4. Make **email** unique.

5. Make **deptno** as foreign key taking reference from **department** table.  
6. Add a constraint to **gender** so that it only allows the value **‘M’** and **‘F’**.

7. Disable the constraint of **s\_id**.  
8. Drop the constraint from **gender**.  
9. View the columns associated with constraints.  
10. Enable the constraint of **s\_id**.