

Table created.

STUDENT

Roll_no	First_Name	Age	Marks
---------	------------	-----	-------

Field/Column	Type	Nullable	Length	Primary key
Roll_no	int	YES	-	-
First_Name	varchar(20)	YES	20	-
Age	int	YES	-	-
Marks	int	YES	-	-

Table dropped.

Experiment No. : 01

Date : 16/02/2024

Name of the Experiment : DDL Commands

Page No. : 01

Program 1:

Implementation of DDL Commands

• CREATE TABLE STUDENT

{

Roll_no int,

First_Name varchar(20),

Age int,

Marks int

};

• DESC STUDENT;

• DROP TABLE STUDENT;

Teacher's Signature _____

Table created

Object Type TABLE Object STUDENT1

Table	Column	Data Type	Length	Precision	Primary key	Nullable
STUDENT1	SNAME	Varchar2	20	-	-	✓
	BNO	Number	-	-	-	-

Table created.

Table	Column	Data Type	Primary key	Nullable
STUDENT2	SNO	Number	1	-
	SNAME	Varchar2	-	✓
	SADHARNO	Number	-	✓

Experiment No. :

Date :

Name of the Experiment :

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1
Constraints on SQL

1. CREATE TABLE STUDENT1
(
SNAME varchar2(20),
SNO int not null
);

• DESC STUDENT1;

2. CREATE TABLE STUDENT2
(
SNO int primary key,
SNAME varchar2(20),
SADHARNO int UNIQUE
);

• DESC STUDENT2;

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Table created.
Foreign key created.

Table	Column	Data Type	Primary Key
DEPARTMENT1	DNO	Number	1
	DNAME	Varchar2	-
	STUD-NO	Number	-

Table created.

Table	Column	Data Type	length	Primary key	Default
EMPLOY1	ENO	Number	-	-	-
	ENAME	Varchar2	20	-	-
	EEMAIL	Varchar2	80	-	('employee@msrit.edu')
	EAGE	Number	-	-	-

Experiment No. :

Date :

Name of the Experiment :

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```
3. CREATE TABLE DEPARTMENT1
(
  DNO int primary key,
  DNAME varchar2(20),
  STUD-NO int,
  FOREIGN KEY(STUD-NO) REFERENCES STUDENT2(SNO)
);
```

DESC DEPARTMENT1;

```
4. CREATE TABLE EMPLOY1
(
  ENO int NOT NULL,
  Ename varchar2(20),
  Eemail varchar2(80) DEFAULT ('employee@msrit.com'),
  Eage int check (Eage >= 18)
);
```

DESC EMPLOY1;

Teacher's Signature _____

Table created.

Table	Column	Datatype	length
EMP2	ENO	Number	-
	ENAME	Varchar2	20
	EAGE	Number	-
	EADD	Varchar2	20

Column added.

Table altered.

Table	Column	Datatype	length
EMP2	ENO	Number	-
	ENAME	Varchar2	20
	EAGE	Number	-
	EADD	Varchar2	20
	EPHONE	Number	-

Table altered, Column dropped.

Experiment No. :

Date :

Name of the Experiment :

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```
• CREATE TABLE EMP2
(
  ENO int,
  ENAME Varchar2(20),
  EAGE int,
  EADD Varchar2(20));
```

```
• DESC EMP2;
```

ii] Add column EPHONE to EMP2 table.

```
• ALTER TABLE EMP2 ADD EPHONE int;
```

```
• DESC EMP2;
```

iii] DROP column EAGE from EMP2 table.

```
• ALTER TABLE EMP2 DROP EAGE;
```

Teacher's Signature _____

Table	Column	Datatype	length
EMP2	ENO	Number	-
	ENAME	Varchar2	20
	EADD	Varchar2	20
	EPHONE	Number	-

Column Renamed.

Table	Column	Datatype	length
EMP2	ENO	Number	-
	ENAME	Varchar2	20
	EADDRESS	Varchar2	20
	EPHONE	Number	-

Column Datatype modified.

Table	Column	Datatype	length
EMP2	ENO	Varchar2	20
	ENAME	Varchar2	20
	EADDRESS	Varchar2	20
	EPHONE	Number	-

Table Renamed.

Table Dropped.

Experiment No. :

Date :

Name of the Experiment :

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• DESC EMP2;

iii] Rename column EADD as EADDRESS

• ALTER TABLE EMP2 RENAME COLUMN EADD to EADDRESS;

• DESC EMP2;

iv] Modify column ENO datatype from int to varchar2(10)

• ALTER TABLE EMP2 MODIFY ENO Varchar(20);

• DESC EMP2;

v] Rename the table name to Employee2

• RENAME EMP2 to Employee2;

vi] Drop the table Employee2.

• DROP TABLE Employee2;

Teacher's Signature _____