

Name:Manoj sahit reddy  
Roll-Number:19BCS110  
Database Management Systems Lab Assignment - 2

Question-1:

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, a database named 'T3 Travel' is selected. In the center pane, a query window titled 'SQLQuery1.sql' contains the following T-SQL code:

```
CREATE DATABASE TRAVEL;
DROP DATABASE TRAVEL;
```

The 'Messages' pane at the bottom right shows the output: "Command completed successfully." and "Completion time: 2021-02-13T15:08:50.9881996+08:30". The status bar at the bottom indicates "localhost (15.0 RTM) | DESKTOP-E006CBV\LENOVO... | T3 Travel".

Question-2:

The screenshot shows the Microsoft SQL Server Management Studio interface. In the Object Explorer, a database named 'T3 Travel' is selected. In the center pane, a query window titled 'SQLQuery1.sql' contains the following T-SQL code:

```
SELECT * FROM sys.databases WHERE database_id=9;
```

The 'Results' pane at the bottom right displays the results of the query, showing a table with the following data:

name	database_id	source_database_id	owner_sid	create_date	compatibility_level	collation_name	user_access	user_access_desc	is_read_only	is_auto_close_on
master	1	NULL	0x01	2001-01-09 13:38:30	150	SQL_Latin1_General_CI_AS	0	MULTI_USER	0	0
tempdb	2	NULL	0x01	2001-01-13 00:00:00	150	SQL_Latin1_General_CI_AS	0	MULTI_USER	0	0
model	3	NULL	0x01	2003-04-08 13:36:30	150	SQL_Latin1_General_CI_AS	0	MULTI_USER	0	0
msdb	4	NULL	0x01	2019-09-24 14:21:42.770	150	SQL_Latin1_General_CI_AS	0	MULTI_USER	0	0
T3 Travel	5	NULL	0x01050000000000051500000B935656D242E06966CED94...	2021-02-05 10:33:29.70	150	SQL_Latin1_General_CI_AS	0	MULTI_USER	0	0

The status bar at the bottom indicates "localhost (15.0 RTM) | DESKTOP-E006CBV\LENOVO... | T3 Travel | 00:00:00 | 5 rows".

### Question-3:

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'TRAVEL'. The central query window displays the following SQL code:

```
USE TRAVEL;
CREATE TABLE CustomerDetails
(
    customer_id CHAR(10) PRIMARY KEY NOT NULL,
    first_name VARCHAR(20) NOT NULL,
    last_name VARCHAR(20) NOT NULL,
    age INT NOT NULL,
    gender CHAR(1) NOT NULL,
    phone_number VARCHAR(12) NOT NULL,
    address TEXT NOT NULL
);
```

The status bar at the bottom indicates 'Commands completed successfully.' and 'Completion time: 2021-02-13T16:17:50.4687138+08:30'.

### Question-4:

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left shows the database structure for 'TRAVEL'. The central query window displays the following SQL code:

```
CREATE TABLE duplicate_table
(
    name VARCHAR(20) PRIMARY KEY NOT NULL,
    roll_number VARCHAR(10) NOT NULL,
    age INT NOT NULL,
);
DROP TABLE duplicate_table;
```

The status bar at the bottom indicates 'Commands completed successfully.' and 'Completion time: 2021-02-13T16:23:35.9361844+08:30'.

A yellow banner at the bottom states 'Query executed successfully.'

### Question-5:

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left lists the database structure, including the TRAVEL database and its tables. The central Results pane displays the output of the `sp_help CustomerDetails;` command. The results show the following table structure for the CustomerDetails table:

Name	Owner	Type	Created_date/time
CustomerDetails	dbo	user table	2021-02-13 15:17:50.457

Below this, detailed column information is provided:

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
customer_id	char	no	10		0	no	no	no	SQL_Latin1_General_CI_AS
first_name	varchar	no	20		0	no	no	no	SQL_Latin1_General_CI_AS
last_name	varchar	no	20		0	no	no	no	SQL_Latin1_General_CI_AS
age	int	no	4	10	0	no	(n/a)	(n/a)	NULL
gender	char	no	1		0	no	no	no	SQL_Latin1_General_CI_AS
phone_number	varchar	no	12		0	no	no	no	SQL_Latin1_General_CI_AS
address	text	no	16		0	no	(n/a)	(n/a)	SQL_Latin1_General_CI_AS

Following the columns, there are sections for Identity, Seed, Increment, Not For Replication, RowGuidCol, Data\_located\_on\_filegroup, and PRIMARY.

At the bottom of the Results pane, a green status bar indicates: "Query executed successfully."

### Question-6:

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left lists the database structure, including the TRAVEL database and its tables. The central Results pane displays the output of the `SELECT * FROM sysobjects WHERE type='U';` command. The results show the following table structure for the sysobjects table:

name	id	xtype	uid	info	status	base_schema_ver	replinfo	parent_obj	crdate	fclcid	schema_ver	stats_schema_ver	type	userstat	sysstat	indexdel	refdate	version	deling	instig	us
CustomerDetails	581577110	U	1	0	0	0	0	0	2021-02-13 15:17:50.457	0	0	0	U	1	3	0	2021-02-13 15:17:50.457	0	0	0	

At the bottom of the Results pane, a green status bar indicates: "Query executed successfully."

### Question-7:

The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar reads "SQLQuery1.sql - localhost.TRAVEL (DESKTOP-E006CBV\LENOVO (52)) - Microsoft SQL Server Management Studio". The main window has a toolbar at the top with various icons. Below the toolbar is a menu bar: File, Edit, View, Query, Project, Tools, Window, Help. A "Quick Launch (Ctrl+Q)" button is in the top right. The left side features an "Object Explorer" pane with a tree view of database objects. Under the "Databases" node, "master", "model", "msdb", "tempdb", and "T3 Travel" are listed. Under "T3 Travel", "Database Diagrams" is expanded, showing "dbo.T3 Travel Diagram". The "Tables" node is also expanded, listing numerous tables such as "Booking Details", "Bus", "Car", "Customer Details", "Destination Detail", "Employee Details", "Flight", "Hotel At Destination", "Package Details", "Train", and "Train". Other nodes like "Views", "External Resources", "Synonyms", etc., are also present. The central workspace contains a query editor window titled "SQLQuery1.sql - ...O6CBV\LENOVO (52)\* DESKTOP-E006CBV\...T3 Travel Diagram\*". The query is: "SELECT customer\_id, last\_name INTO new\_EmployeeDetails FROM CustomerDetails;". Below the query is a status bar showing "Completion time: 2021-02-13T15:28:57.5881089+08:30". The bottom right corner of the status bar says "localhost (15.0 RTM) DESKTOP-E006CBV\LENOVO... TRAVEL 0".

```
SELECT customer_id, last_name INTO new_EmployeeDetails FROM CustomerDetails;
```

### Question-8:

The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar reads "SQLQuery1.sql - localhost.TRAVEL (DESKTOP-E006CBV\LENOVO (52)) - Microsoft SQL Server Management Studio". The main window has a toolbar at the top with various icons. Below the toolbar is a menu bar: File, Edit, View, Query, Project, Tools, Window, Help. A "Quick Launch (Ctrl+Q)" button is in the top right. The left side features an "Object Explorer" pane with a tree view of database objects. Under the "Databases" node, "master", "model", "msdb", "tempdb", and "T3 Travel" are listed. Under "T3 Travel", "Database Diagrams" is expanded, showing "dbo.T3 Travel Diagram". The "Tables" node is also expanded, listing tables like "Booking Details", "Bus", "Car", "Customer Details", "Destination Detail", "Employee Details", "Flight", "Hotel At Destination", "Package Details", and "Train". Other nodes like "Views", "External Resources", "Synonyms", etc., are present. The central workspace contains a query editor window titled "SQLQuery1.sql - ...O6CBV\LENOVO (52)\* DESKTOP-E006CBV\...T3 Travel Diagram\*". The query is: "CREATE TABLE new\_customerdetails (customer\_id CHAR(10) PRIMARY KEY NOT NULL, first\_name VARCHAR(20) NOT NULL, last\_name VARCHAR(20) NOT NULL, dateofbirth DATE NOT NULL, age AS DATEDIFF(YEAR,dateofbirth,GETDATE()), gender CHAR(1) NOT NULL, phone VARCHAR(12) NOT NULL, address TEXT NOT NULL);". Below the query is a status bar showing "Completion time: 2021-02-13T15:38:34.6665626+08:30". The bottom right corner of the status bar says "localhost (15.0 RTM) DESKTOP-E006CBV\LENOVO... TRAVEL 0".

```
CREATE TABLE new_customerdetails
(
    customer_id CHAR(10) PRIMARY KEY NOT NULL,
    first_name VARCHAR(20) NOT NULL,
    last_name VARCHAR(20) NOT NULL,
    dateofbirth DATE NOT NULL,
    age AS DATEDIFF(YEAR,dateofbirth,GETDATE()),
    gender CHAR(1) NOT NULL,
    phone VARCHAR(12) NOT NULL,
    address TEXT NOT NULL
);
```