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**56614**

**BS – DS 4-1**

Q2:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'Schemas' tree with 'garage' expanded, showing 'Tables' and 'Columns'. The central pane shows the SQL query editor with the following code:

```
1 create database garage;
2
3 use garage;
4
5 create table vehicle(
6
7     Vehicle_Id int primary key,
8     Vehicle_name varchar(50) not null,
9     Model_no int unique not null,
10    Engine_no int not null
11 );
12
13 desc vehicle;
14
```

The right pane shows the 'Result Grid' with the following data:

Field	Type	Null	Key	Default	Extra
Vehicle_Id	int	NO	PRI		
Vehicle_name	varchar(50)	NO			
Model_no	int	NO	UNI		
Engine_no	int	NO			

The bottom status bar indicates 'Query Completed' and '4 row(s) returned'.

Q3:

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'Schemas' tree with 'university' expanded, showing 'Tables' and 'Columns'. The central pane shows the SQL query editor with the following code:

```
19 create database university;
20
21 use university;
22
23 create table student(
24     Student_Id int primary key,
25     Student_Name varchar(50) not null,
26     Age int ,
27     check (Age <=18)
28 );
29
30 create table course(
31     Course_ID int primary key,
32     Course_Name varchar(20) not null,
33     Student_Id int not null,
34     foreign key (Student_Id ) references student(Student_Id )
35 );
36
37 desc course;
38
```

The right pane shows the 'Result Grid' with the following data:

Field	Type	Null	Key	Default	Extra
Course_ID	int	NO	PRI		
Course_Name	varchar(20)	NO			
Student_Id	int	NO	MUL		

The bottom status bar indicates 'Query Completed' and '3 row(s) returned'.

Q5:

Local instance 3306 - Warning - not supported

Administration Schemas Query 1

Schemas

Filter objects

sys

Tables

sys\_config

Columns

variable

value

set\_time

set\_by

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

30

31

32

33 • create database garage;

34

35 • use garage;

36

37 • create table vehicle(

38

39 Vehicle\_Id int primary key,

40 Vehicle\_name varchar(50) not null,

41 Model\_no int unique not null,

42 Engine\_no int not null

43 );

44

45 • alter table vehicle add color varchar(30) not null;

46

47

48 • desc vehicle;

49

Result Grid

Filter Rows: Search Export

Field	Type	Null	Key	Default	Extra
Vehicle_Id	int	NO	PK		
Vehicle_name	varchar(50)	NO			
Model_no	int	NO	UNI		
Engine_no	int	NO			
color	varchar(30)	NO			

Result 4

Read Only

Action Output

Time	Action	Response	Duration / Fetch Time
31 10:04:13	alter table course drop foreign key course(Student_Id)	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to...	0.00054 sec
32 10:05:40	alter table course drop foreign key Student_Id	Error Code: 1091. Can't DROP 'Student_Id'; check that column/key exists	0.0017 sec
33 10:07:25	drop table students	Error Code: 1051. Unknown table 'university.students'	0.0015 sec
34 10:07:33	drop table student	Error Code: 3730. Cannot drop table 'student' referenced by a foreign key constraint 'course...	0.0010 sec

Query Completed

Q6:

Local instance 3306 - Warning - not supported

Administration Schemas Query 1

Schemas

Filter objects

Mall

Tables

hotel

Columns

Hotel\_Number

Hotel\_name

Hotel\_charges

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

sys

Tables

sys\_config

Columns

variable

value

set\_time

set\_by

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

34

35 • create database Mall;

36

37 • use Mall;

38

39 create table hotel(

40 Hotel\_Number int primary key,

41 Hotel\_name varchar(50) default 'Tabaq',

42 Hotel\_charges int not null

43 );

44

45 • insert into hotel (Hotel\_Number, Hotel\_name, Hotel\_charges) values

46 (1, 'Tabaq', 5000),

47 (2, 'Monal', 7000),

48 (3, 'Serena', 12000),

49 (4, 'Marriott', 11000),

50 (5, 'Pearl Continental', 10000);

51

52 • select \* from hotel;

53

Result Grid

Filter Rows: Search Edit Export/Import

Hotel_Num...	Hotel_name	Hotel_charg...
1	Tabaq	5000
2	Monal	7000
3	Serena	12000
4	Marriott	11000
5	Pearl Continental	10000

hotel 5

Apply

Action Output

Time	Action	Response	Duration / Fetch Time
48 10:16:02	create table hotel (Hotel_Number int primary key, Hotel_name varchar(50) default 'Tabaq...	0 row(s) affected	0.0073 sec
49 10:17:19	insert into hotel (Hotel_Number, Hotel_name, Hotel_charges) values (1, 'Tabaq', 5000), (2...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.0042 sec
50 10:17:59	select * from hotel LIMIT 0, 1000	5 row(s) returned	0.0012 sec / 0.00003...

Query Completed

Q4:

The screenshot shows a database management tool interface. The top bar indicates 'Local instance 3306 - Warning - not supported'. The left sidebar shows a 'SCHEMAS' tree with 'sys' and 'university' databases. The main editor displays a SQL query with line numbers 1 through 33. The query includes dropping a database 'garage', creating a database 'university', using 'university', creating a table 'student' with columns 'Student\_Id' (primary key), 'Student\_Name' (varchar(50) not null), and 'Age' (int) with a check constraint 'Age <= 18', creating a table 'course' with columns 'Course\_ID' (primary key), 'Course\_Name' (varchar(20) not null), and 'Student\_Id' (int not null) with a foreign key constraint 'references student(Student\_Id)', altering the 'course' table to drop the foreign key 'course\_ibfk\_1', and finally dropping the 'student' table. The bottom panel shows an 'Action Output' log with three entries: a failed attempt to drop the foreign key (Error Code: 1064), a successful drop of the foreign key (0.011 sec), and a successful drop of the table 'student' (0.0069 sec).

```
1
2
3
4 • drop database garage;
5
6
7 • create database university;
8
9 • use university;
10
11 • create table student(
12   Student_Id int primary key,
13   Student_Name varchar(50) not null,
14   Age int ,
15   check (Age <=18)
16 );
17
18 • create table course(
19   Course_ID int primary key,
20   Course_Name varchar(20) not null,
21   Student_Id int not null,
22   foreign key (Student_Id ) references student(Student_Id )
23 );
24
25
26
27 • ALTER TABLE course DROP FOREIGN KEY course_ibfk_1;
28
29
30 • DROP TABLE student;
31
32
33
```

	Time	Action	Response	Duration / Fetch Time
65	10:27:31	ALTER TABLE course DROP constraint foreign key Student_Id	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to...	0.00063 sec
66	10:28:16	ALTER TABLE course DROP FOREIGN KEY course_ibfk_1	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.011 sec
67	10:28:20	DROP TABLE student	0 row(s) affected	0.0069 sec

Query Completed