

Assignment 3

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Q1. Create the following given table with appropriate datatype and constraints

Table Name: BOOK_ROLLNO

create table book_75(bookid varchar(10) primary key,title varchar(50) not null,publisher varchar(30) not null,category varchar(30) not null, year varchar(15) not null,price number(8) check(price>0));

create table book_75(bookid varchar(10) primary key,title varchar(50) not null,publisher varchar(30) not null,category varchar(30) not null, year varchar(15) not null,price number(8) check(price>0));

Results Explain Describe Saved SQL History

Object Type TABLE Object BOOK_75

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
BOOK_75	BOOKID	Varchar2	10	-	-	1	-	-	-
	TITLE	Varchar2	50	-	-	-	-	-	-
	PUBLISHER	Varchar2	30	-	-	-	-	-	-
	CATEGORY	Varchar2	30	-	-	-	-	-	-
	YEAR	Varchar2	15	-	-	-	-	-	-
	PRICE	Number	-	8	0	-	✓	-	-

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Table Name: DISTRIBUTOR_ROLLNO

create table distributor_75(distid varchar(6) primary key, distributor varchar(20) not null, city varchar(30) default 'Mumbai', discount varchar(30) default '15', credit varchar(15) check(credit>0));

```
create table distributor_75(distid varchar(6) primary key, distributor varchar(20) not null, city varchar(30) default 'Mumbai', discount varchar(30) default '15', credit varchar(15) check(credit>0));
```

Results

Explain

Describe

Saved SQL

History

Object Type

TABLE

Object

DISTRIBUTOR_75

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DISTRIBUTOR_75	DISTID	Varchar2	6	-	-	1	-	-	-
	DISTRIBUTOR	Varchar2	20	-	-	-	-	-	-
	CITY	Varchar2	30	-	-	-	✓	'Mumbai'	-
	DISCOUNT	Varchar2	30	-	-	-	✓	'15'	-
	CREDIT	Varchar2	15	-	-	-	✓	-	-

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Table Name: ORDER_ROLLNO

create table order_75(orderno varchar(20) primary key,title varchar(30) not null,distno varchar(30) references distributor_75(distid),qty varchar(15) check(qty>0),bookid varchar(10) references book_75(bookid));

```
create table order_75(orderno varchar(20) primary key,title varchar(30) not null,distno varchar(30) references distributor_75(distid),qty varchar(15) check(qty>0),bookid varchar(10) references book_75(bookid));
```

Results Explain Describe Saved SQL History

Object Type TABLE Object ORDER_75

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ORDER_75	ORDERNO	Varchar2	20	-	-	1	-	-	-
	TITLE	Varchar2	30	-	-	-	-	-	-
	DISTNO	Varchar2	30	-	-	-	✓	-	-
	QTY	Varchar2	15	-	-	-	✓	-	-
	BOOKID	Varchar2	10	-	-	-	✓	-	-
1 - 5									

Q2. Answer the following queries

1. Rename the table Orders as Orders_Details

```
alter table order_75
rename to order_details;
```

Results Explain Describe Saved SQL History

Object Type TABLE Object ORDER_DETAILS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ORDER_DETAILS	ORDERNO	Varchar2	20	-	-	1	-	-	-
	TITLE	Varchar2	30	-	-	-	-	-	-
	DISTNO	Varchar2	30	-	-	-	✓	-	-
	QTY	Varchar2	15	-	-	-	✓	-	-
	BOOKID	Varchar2	10	-	-	-	✓	-	-
1 - 5									

2. Add a column Author in Book table with appropriate data type

```
alter table book_75
add author varchar(10);
```

Results Explain Describe Saved SQL History

Object Type TABLE Object BOOK_75

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
BOOK_75	BOOKID	Varchar2	10	-	-	1	-	-	-
	TITLE	Varchar2	50	-	-	-	-	-	-
	PUBLISHER	Varchar2	30	-	-	-	-	-	-
	CATEGORY	Varchar2	30	-	-	-	-	-	-
	YEAR	Varchar2	15	-	-	-	-	-	-
	PRICE	Number	-	8	0	-	✓	-	-
	AUTHOR	Varchar2	10	-	-	-	✓	-	-
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3. Delete the column Credit from Distributor table

```
alter table distributor_75  
drop column credit;
```

Results Explain Describe Saved SQL

Table altered.

0.44 seconds

4. Update the data type of column city to varchar(15) in Distributor table

```
alter table distributor_75  
modify(city varchar(15));
```

Results Explain Describe Saved SQL

Table altered.

0.09 seconds

5. Add a column date in orders table

```
alter table order_details  
add order_date date;
```

Results Explain Describe Saved SQL

Table altered.

0.03 seconds