

ADBMS Lab Experiment-2

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1. Create the tables described below:

Table name: CLIENT_MASTER_1

Description: used to store client information

Object Browser

Schema WKSP_SUYASH77

CLIENT_MASTER_1

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

S

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
CLIENTNO	VARCHAR2(6)	No	-	1
CLIENT_NAME	VARCHAR2(20)	No	-	-
ADDRESS1	VARCHAR2(30)	Yes	-	-
ADDRESS2	VARCHAR2(30)	Yes	-	-
CITY	VARCHAR2(15)	Yes	-	-
PINCODE	NUMBER(8,0)	Yes	-	-
CLIENT_STATE	VARCHAR2(15)	Yes	-	-
BALDUE	NUMBER(10,0)	Yes	-	-

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Table Name: PRODUCT_MASTER_1

Description: used to store product information

Object Browser

Schema

WKSP_SUYASH77

PRODUCT_MASTER_1

+ v

Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

RES

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
PRODUCT_NO	VARCHAR2(6)	No	-	1
DESCRIPTION_DETAILS	VARCHAR2(15)	No	-	-
PROFITPERCENT	NUMBER(4,0)	No	-	-
UNIT_MEASURE	VARCHAR2(10)	No	-	-
QTYOHAND	NUMBER(30,0)	No	-	-
REORDERL_VL	NUMBER(30,0)	No	-	-
SELLPRICE	NUMBER(11,0)	No	-	-
COSTPRICE	NUMBER(8,0)	No	-	-

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Table Name: SALESMAN_MASTER_1

Description: used to store salesman information working for the company

↑

Object Browser

Schema

WKSP_SUYASH77

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SALESMAN_MASTER_1

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Table

Data

Indexes

Model

Constraints

Grants

Statistics

UI Defaults

Triggers

Dependencies

SQL

REST

Sample Que

Add Column

Modify Column

Rename Column

Drop Column

Rename

Copy

Drop

Truncate

Create Lookup Table

Create App

Column Name	Data Type	Nullable	Default	Primary Key
SALESMANNO	VARCHAR2(6)	No	-	1
SALESMANNAME	VARCHAR2(20)	No	-	-
ADDRESS1	VARCHAR2(30)	No	-	-
ADDRESS2	VARCHAR2(30)	Yes	-	-
CITY	VARCHAR2(20)	Yes	-	-
PINCODE	NUMBER	Yes	-	-
SALEMAN_STATE	VARCHAR2(20)	Yes	-	-
SALAMT	NUMBER(20,0)	No	-	-
TGTTOGET	NUMBER(38,0)	No	-	-
YTDSALES	NUMBER(6,0)	No	-	-
REMARKS	VARCHAR2(60)	Yes	-	-

2. Reinsert the data in these two tables based upon Lab 1 & display.

Object Browser

SchemaWKSP_SUYASH77

CLIENT_MASTER_1

+ v

TableDataIndexesModelConstraintsGrantsStatisticsUI DefaultsTriggersDependenciesSQLRESTSample Que

Query

Count Rows

Insert Row

Load Data

EDIT	CLIENTNO	CLIENT_NAME	ADDRESS1	ADDRESS2	CITY	PINCODE	CLIENT_STATE	BALDUE
	C00005	HANSEL COLACO	-	-	MUMBAI	400060	MAHARASHTRA	2000
	C00006	DEEPAK SHARMA	-	-	MANGALORE	560050	KARNATAKA	0
	C00004	ASHWINI JOSHI	-	-	BANGALORE	560001	KARNATAKA	0
	C00001	Ivan bayross	-	-	Mumbai	400054	Maharashtra	1500
	C00002	Mamta muzumdar	-	-	Madras	780001	Tamil nadu	0
	C00003	CHHAYA BANKAR	-	-	MUMBAI	400057	MAHARASHTRA	0

Object Browser

SchemaWKSP_SUYASH77

PRODUCT_MASTER_1

+ v

TableDataIndexesModelConstraintsGrantsStatisticsUI DefaultsTriggersDependenciesSQLRESTSample Queries

Query

Count Rows

Insert Row

Load Data

EDIT	PRODUCT_NO	DESCRIPTION_DETAILS	PROFITPERCENT	UNIT_MEASURE	QTYOHAND	REORDERL_VL	SELLPRICE	COSTPRICE
	P00001	T-Shirt	5	Piece	200	50	350	250
	P0345	Shirts	6	Piece	150	50	500	350
	P07865	Trousers	5	Piece	150	50	850	950
	P07975	Lycra Tops	5	Piece	70	30	300	175
	P07885	Pull Overs	3	Piece	80	30	700	450
	P08865	Skirts	5	Piece	75	30	450	300

Object Browser

SchemaWKSP_SUYASH77

SALESMAN_MASTER_1

+ v

TableDataIndexesModelConstraintsGrantsStatisticsUI DefaultsTriggersDependenciesSQLRESTSample Queries

Query

Count Rows

Insert Row

Load Data

EDIT	SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	SALEMAN_STATE	SALAMT	TGTTTOGET	YTDSALES	REMARKS
	S00003	RAJ	P-7	BANDRA	PUNE	400032	MAHARASHTRA	3000	200	100	GOOD
	S00001	AMAN	A/14	WORLI	PUNE	400002	MAHARASHTRA	3000	100	50	GOOD
	S00002	OMIKAR	65	NARIMAN	PUNE	400001	MAHARASHTRA	3000	200	100	GOOD
	S00005	RAJ	P-7	BANDRA	PUNE	400032	MAHARASHTRA	3000	200	100	GOOD

3. Create table AUTHOR = {Author_ID , Lastname, Firstname, Email, City, Country}

Where:

Author_ID – text data type, 5 characters, primary key

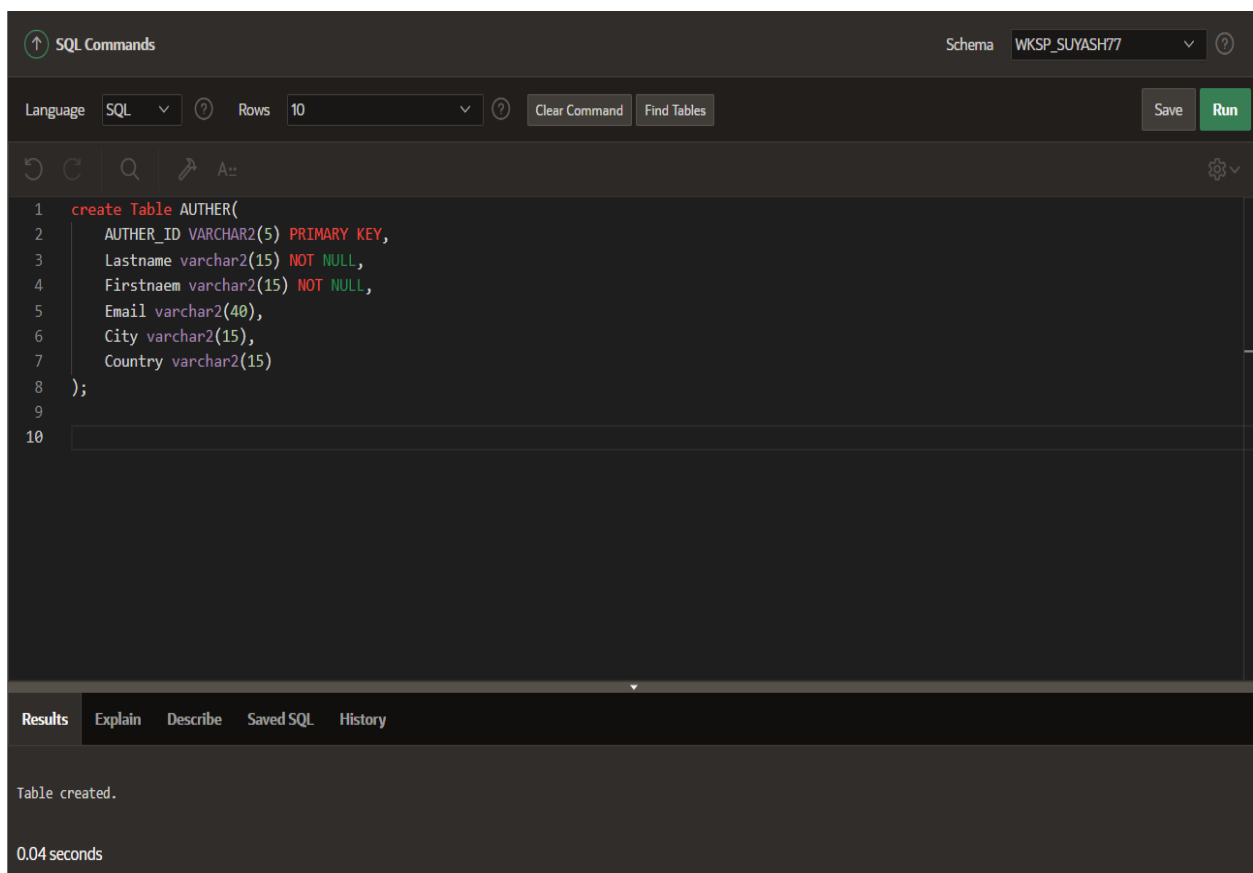
Lastname – text data type, 15 characters, not null

Firstname – text data type, 15 characters, not null

Email – text data type, 40 characters,

City – text data type, 15 characters,

Country – text data type, 15 characters

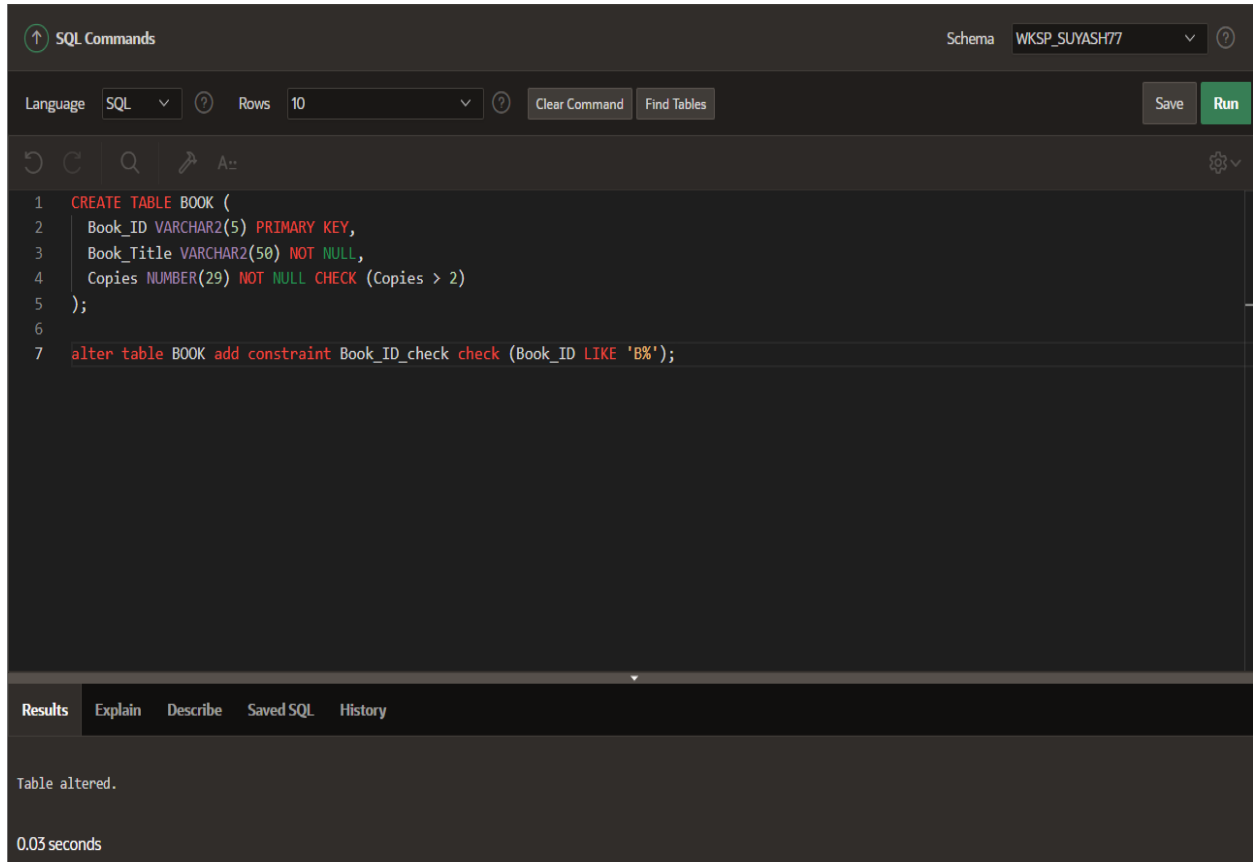


The screenshot shows a SQL IDE interface with a dark theme. At the top, there's a 'SQL Commands' tab and a 'Schema' dropdown set to 'WKSP_SUYASH77'. Below the toolbar, the SQL command is entered in a text area:

```
1 create Table AUTHOR(  
2     AUTHER_ID VARCHAR2(5) PRIMARY KEY,  
3     Lastname varchar2(15) NOT NULL,  
4     Firstnaem varchar2(15) NOT NULL,  
5     Email varchar2(40),  
6     City varchar2(15),  
7     Country varchar2(15)  
8 );  
9  
10
```

The command is executed, and the 'Results' tab at the bottom shows the message 'Table created.' and the execution time '0.04 seconds'.

4. Create Table BOOK={ Book_ID, Book_Title, Copies)
Where :Book_ID – text data type, 5 characters Primary Key Start With Character B
Book_Title - Text data Type Not Null
Copies- No.of copies Data Type int always greater the 2



The screenshot shows a SQL IDE interface with a dark theme. At the top, there's a 'SQL Commands' tab and a 'Schema' dropdown set to 'WKSP_SUYASH77'. Below this, a toolbar includes 'Language' (set to SQL), 'Rows' (set to 10), 'Clear Command', and 'Find Tables' buttons. The main editor area contains the following SQL code:

```
1 CREATE TABLE BOOK (  
2     Book_ID VARCHAR2(5) PRIMARY KEY,  
3     Book_Title VARCHAR2(50) NOT NULL,  
4     Copies NUMBER(29) NOT NULL CHECK (Copies > 2)  
5 );  
6  
7 alter table BOOK add constraint Book_ID_check check (Book_ID LIKE 'B%');
```

At the bottom, there's a 'Results' tab with sub-tabs for 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, displaying the message 'Table altered.' and the execution time '0.03 seconds'.

5. Create table AUTHOR_LIST = {Author_ID , Book_ID , Role}

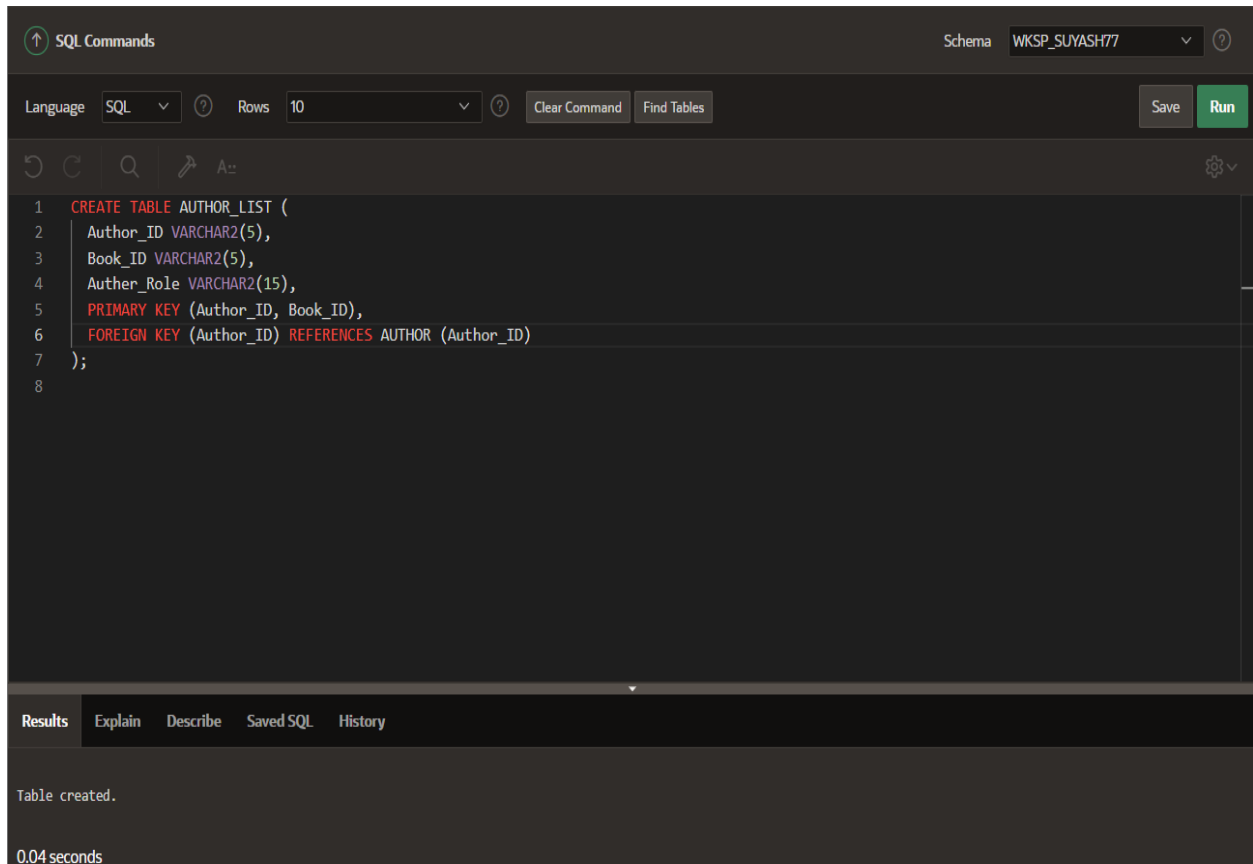
Where:

Author_ID – text data type, 5 characters, referenced by Author_ID from AUTHOR table

Book_ID – text data type, 5 characters

Role – text data type, 15 characters

and primary key is: Author_ID, Book_ID



The screenshot shows a SQL IDE interface with a dark theme. At the top, there's a 'SQL Commands' tab and a 'Schema' dropdown set to 'WKSP_SUYASH77'. Below this, a toolbar includes 'Language' (set to SQL), 'Rows' (set to 10), 'Clear Command', and 'Find Tables' buttons. The main editor area contains the following SQL code:

```
1 CREATE TABLE AUTHOR_LIST (  
2     Author_ID VARCHAR2(5),  
3     Book_ID VARCHAR2(5),  
4     Author_Role VARCHAR2(15),  
5     PRIMARY KEY (Author_ID, Book_ID),  
6     FOREIGN KEY (Author_ID) REFERENCES AUTHOR (Author_ID)  
7 );  
8
```

At the bottom, there's a 'Results' tab with sub-tabs for 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, displaying the message 'Table created.' and the execution time '0.04 seconds'.

6. Add four records in each tables **AUTHOR**, **BOOK**, **AUTHOR_LIST**.

APEX

App Builder

SQL Workshop

Team Development

Gallery

Q Search

?

SM

SQL Commands

Schema WKSP_SU1YASH77

Language SQL

Rows 10

Clear Command

Find Tables

Save

Run

Q

A:-

1

2

3

4

5

INSERT INTO AUTHOR(AUTHOR_ID, LASTNAME, FIRSTNAME, EMAIL, CITY, COUNTRY)

VALUES('A004', 'JENNINGS', 'PAUL', 'PAULJENNINGS@GMAIL.COM', 'LONDON', 'ENGLAND');

Results

Explain

Describe

Saved SQL

History

1 row(s) inserted.

0.01 seconds

APEX

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Object Browser

Schema WKSP_SU1YASH77

AUTHOR

Table

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SQL

REST

Query

Count Rows

Insert Row

Load Data

EDIT

AUTHOR_ID

LASTNAME

FIRSTNAME

EMAIL

CITY

COUNTRY

A002

ROWLINGS

JK

ROWLINGS@GMAIL.COM

LONDON

ENGLAND

A003

LAL

JETHA

JETHALAL@GMAIL.COM

SURAT

INDIA

A004

JENNINGS

PAUL

PAULJENNINGS@GMAIL.COM

LONDON

ENGLAND

A001

KHAN

ZAKHIR

ZAKHIRKHAN@GMAIL.COM

MUMBAI

INDIA

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row(s) 1 - 4 of 4

APEX

App Builder

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?

SM

Object Browser

Schema WKSP_SU1YASH77

AUTHOR_LIST

Table

Data

Indexes

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SQL

REST

Query

Count Rows

Insert Row

Load Data

EDIT

AUTHOR_ID

BOOK_ID

AUTHOR_ROLE

A002

B0003

CO AUTHOR

A003

B0002

MAIN AUTHOR

A001

B0002

MAIN AUTHOR

A004

B0004

MAIN AUTHOR

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APEX

App Builder

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SM

Object Browser

Schema WKSP_SU1YASH77

AUTHOR

Table

Data

Indexes

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Grants

Statistics

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Dependencies

SQL

REST

Sample

Query

Count Rows

Insert Row

Load Data

EDIT

AUTHOR_ID

LASTNAME

FIRSTNAME

EMAIL

CITY

COUNTRY

A002

ROWLINGS

JK

ROWLINGS@GMAIL.COM

LONDON

ENGLAND

A003

LAL

JETHA

JETHALAL@GMAIL.COM

SURAT

INDIA

A004

JENNINGS

PAUL

PAULJENNINGS@GMAIL.COM

LONDON

ENGLAND

A001

KHAN

ZAKHIR

ZAKHIRKHAN@GMAIL.COM

MUMBAI

INDIA

Download

row(s) 1 - 4 of 4

7. Alter structure of table AUTHOR_LIST add the field Publisher data type of 30 Character.

The screenshot displays a database management interface with two main panels. The left panel, titled 'SQL Commands', shows a schema dropdown set to 'WKSP_SU/VASH77'. Below this, there are controls for 'Language' (SQL), 'Rows' (10), and buttons for 'Clear Command', 'Find Tables', 'Save', and 'Run'. The SQL command entered is:

```
1 ALTER TABLE AUTHOR_LIST ADD PUBLISHER VARCHAR2(30);
2
3
```

The right panel, titled 'Object Browser', shows the same schema dropdown. It displays the structure of the 'AUTHOR_LIST' table with tabs for 'Table', 'Data', 'Indexes', 'Model', 'Constraints', 'Grants', 'Statistics', 'UI Defaults', 'Triggers', 'Dependencies', 'SQL', 'REST', and 'Sample'. The 'Table' tab is active, showing a table with the following columns:

Column Name	Data Type	Nullable	Default	Primary Key
AUTHOR_ID	VARCHAR2(5)	No	-	1
BOOK_ID	VARCHAR2(5)	No	-	2
AUTHOR_ROLE	VARCHAR2(15)	Yes	-	-
PUBLISHER	VARCHAR2(30)	Yes	-	-

Below the table structure, there are links for 'Download' and 'Print'. The bottom panel shows the 'Results' tab with the message 'Table altered.' and a execution time of '0.05 seconds'.