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

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

PRODUCT_MASTER_1   + ∨

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

SALESMAN_MASTER_1   + ∨

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

Schema: WKSP_SUYASH77

CLIENT_MASTER_1

Table | **Data** | Indexes | Model | Constraints | Grants | Statistics | UI Defaults | Triggers | Dependencies | SQL | REST | Sample 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

Schema: WKSP_SUYASH77

PRODUCT_MASTER_1

Table | **Data** | Indexes | Model | Constraints | Grants | Statistics | UI Defaults | Triggers | Dependencies | SQL | REST | Sample 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

Schema: WKSP_SUYASH77

SALESMAN_MASTER_1

Table | **Data** | Indexes | Model | Constraints | Grants | Statistics | UI Defaults | Triggers | Dependencies | SQL | REST | Sample Queries

Query | Count Rows | Insert Row | Load Data

EDIT	SALESMANNO	SALESMANNAME	ADDRESS1	ADDRESS2	CITY	PINCODE	SALEMAN_STATE	SALAMT	TGTTOGET	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	OMKAR	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:
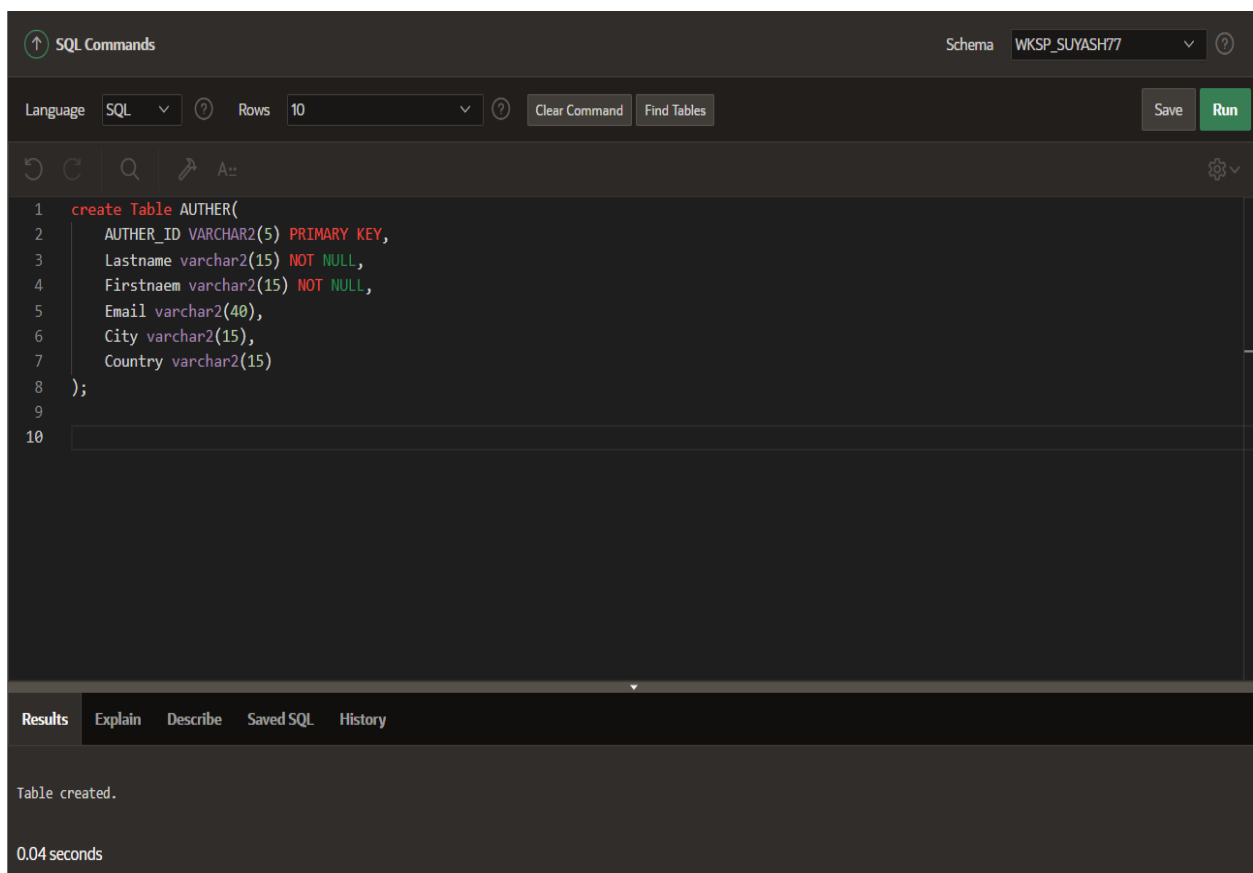   **Author_ID – text data type, 5 characters, primary key**
   Lastname – text data type, 15 characters, not null
   Firstname – text data type, 15 characters, not null
   Email – text data type, 40 characters,
   City – text data type, 15 characters,
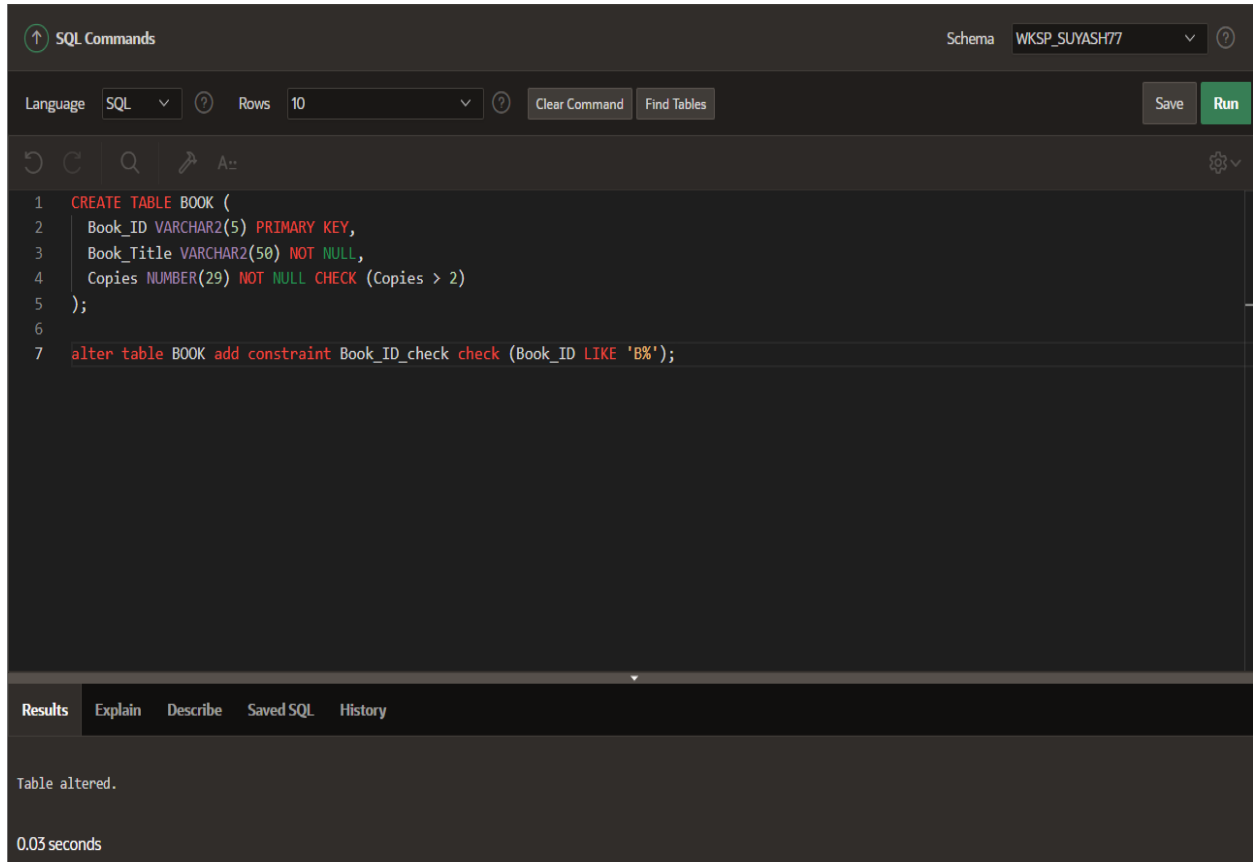   **Country – text data type, 15 characters**

SQL Commands   Schema WKSP_SUYASH77 ˅ ⑦

Language SQL ˅ ⑦   Rows 10   ˅ ⑦   Clear Command Find Tables   Save   **Run**

```
1   create Table AUTHER(
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
```

Results Explain Describe Saved SQL History

Table created.

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

```
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%');
```

Results   Explain   Describe   Saved SQL   History

Table altered.

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
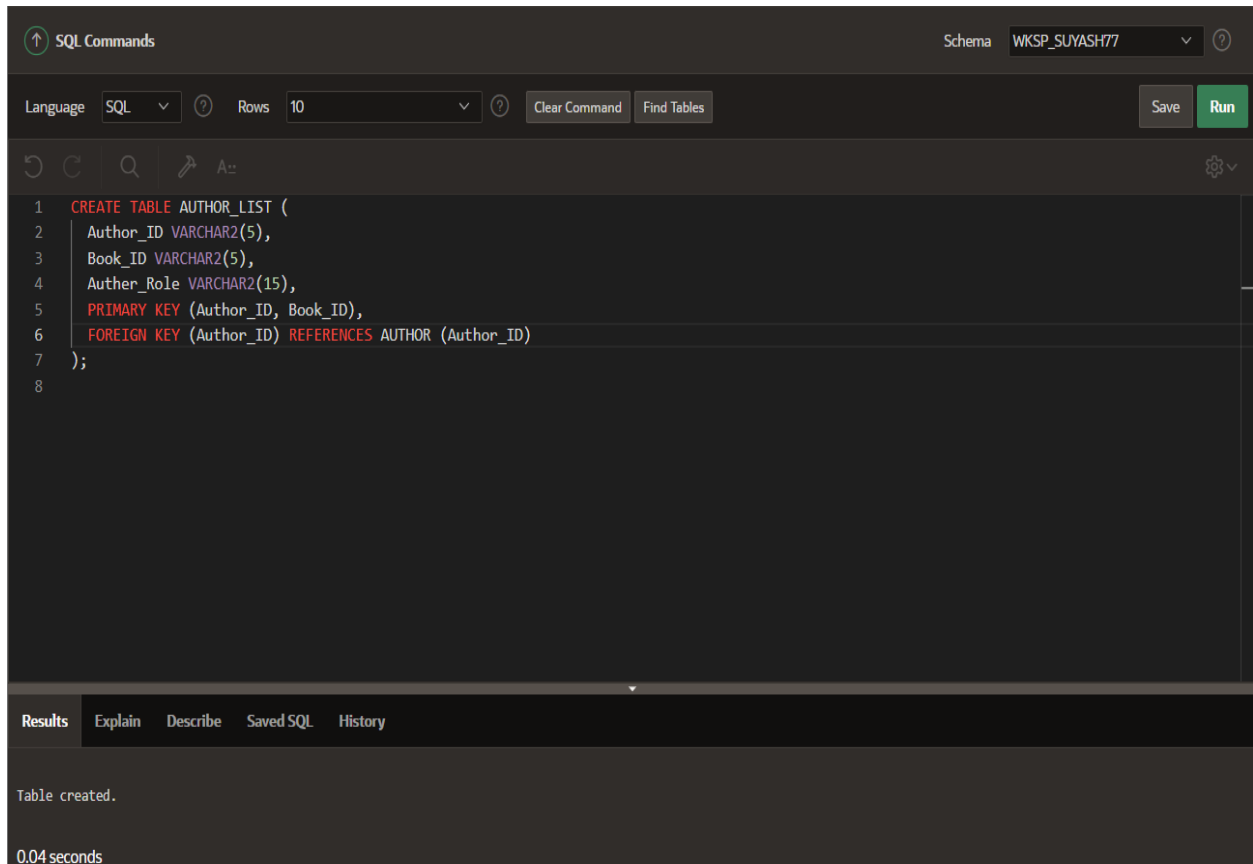
Language SQL ⌄ ⑦   Rows 10   ⌄ ⑦   Clear Command   Find Tables   Save   Run

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

Results   Explain   Describe   Saved SQL   History

Table created.

0.04 seconds

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

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