

EXPERIMENT-1A
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CREATION OF TABLE IN SQL

Q. Create a customer table with following details customer name, where

he lives. Each and every customer are uniquely identified by their name.

```
SQL> create table customer (customer_name char(20), customer_street char(30), customer_city
char(30), primary key(customer_name));
```

Table created.

```
SQL> desc customer
```

Name	Null?	Type
CUSTOMER_NAME	NOT NULL	CHAR(20)
CUSTOMER_STREET		CHAR(30)
CUSTOMER_CITY		CHAR(30)

Q. Create a schema for each branch with branch name, city and branch assets details.

```
SQL> create table branch (branch_name char(15),branch_city char(30),assets numeric(16,2),primary
key(branch_name),
```

```
2 check(assets>=0),check(branch_name in('sbi','pnb','iob','icc','kvb','icici','hdfc','hsbc')));
```

Table created.

```
SQL> desc branch
```

Name	Null?	Type
BRANCH_NAME	NOT NULL	CHAR(15)
BRANCH_CITY		CHAR(30)

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Q.Create a table for customer account details with account number, balance and to which branch it belongs to.

```
SQL> create table account(account_no char(10),branch_name char(15),
  2 balance numeric(12,2),check(balance>0),primary key(account_no));
```

Table created.

```
SQL> desc account
```

Name	Null?	Type
ACCOUNT_NO	NOT NULL	CHAR(10)
BRANCH_NAME		CHAR(15)
BALANCE		NUMBER(12,2)

Q.Create a relation to reflect the depositor's details.

```
SQL> create table depositor (customer_name char(20), account_no
  2 char(10), primary key(customer_name, account_no));
```

Table created.

```
SQL> desc depositor
```

Name	Null?	Type
CUSTOMER_NAME	NOT NULL	CHAR(20)
ACCOUNT_NO	NOT NULL	CHAR(10)

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CREATION OF TABLE IN SQL

Q. Create a schema for loan details in all branch.

```
SQL> create table loan (loan_no char(20), branch_name char(20),
2 amount numeric(12,2),primary key(loan_no));
```

Table created.

```
SQL> desc loan
```

Name	Null?	Type

LOAN_NO	NOT NULL	CHAR(20)
BRANCH_NAME		CHAR(20)
AMOUNT		NUMBER(12,2)

Q. Create a table to find which customers has availed loan.

```
SQL> create table borrower (customer_name char(20), loan_no
2 char(20), primary key(customer_name, loan_no));
```

Table created.

```
SQL> desc borrower
```

Name	Null?	Type

CUSTOMER_NAME	NOT NULL	CHAR(20)
LOAN_NO	NOT NULL	CHAR(20)

Q.To find all the tables created by an user

```
SQL> select*from tab;
```

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CREATION OF TABLE IN SQL

TNAME	TABTYPE	CLUSTERID
ACCOUNT	TABLE	
BORROWER	TABLE	
BRANCH	TABLE	
CUSTOMER	TABLE	
DEPOSITOR	TABLE	
LOAN	TABLE	

6 rows selected.

Q.CREATING A TABLE WITH ROWS FROM ANOTHER TABLE

Q.Create a table from existing table.

SQL> create table branch1(brname,city)as select branch_name,branch_city from branch;

Table created.

SQL> select*from branch1;

no rows selected

SQL> create table customer1 as select customer_name,
 2 customer_street,customer_city from customer where
 3 customer_city in('Mardurai','trichy','salem');

Table created.

SQL> select *from customer1;

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CREATION OF TABLE IN SQL

no rows selected

SQL> spool off;