```sql
create user vyshnavi1 identified by vysh123;

grant dba to vyshnavi1;


CREATE TABLE branch
    ( branch_name VARCHAR(30),
     branch_city VARCHAR(30),
     assets real,
     PRIMARY KEY(branch_name)
    );
desc branch


CREATE TABLE bank_account
    ( accno INTEGER,
     branch_name VARCHAR(30),
     balance real,
     PRIMARY KEY(accno),
     FOREIGN KEY(branch_name) REFERENCES branch(branch_name)
    );
desc bank_account


CREATE TABLE bank_customer
   ( customer_name VARCHAR(30),
    customer_street VARCHAR(30),
    customer_city VARCHAR(30),
    PRIMARY KEY(customer_name)
   );
desc bank_customer


CREATE TABLE loan
   ( loan_number INTEGER,
    branch_name VARCHAR(30),
```

```
    amount real,

    PRIMARY KEY(loan_number),

    FOREIGN KEY(branch_name) REFERENCES branch(branch_name)

  );
desc loan


CREATE TABLE depositor

  ( customer_name VARCHAR(30),

    accno INTEGER,

    PRIMARY KEY(customer_name, accno),

    FOREIGN KEY(customer_name) REFERENCES bank_customer(customer_name),

    FOREIGN KEY(accno) REFERENCES bank_account(accno)

  );
desc depositor


insert  into branch values('SBI_Chamrajpet','Bangalore',50000);

insert  into branch values('SBI_ResidencyRoad','Bangalore',10000);

insert  into branch values('SBI_ShivajiRoad','Bangalore',20000);

insert  into branch values('SBI_ParlimentRoad','Delhi',10000);

insert  into branch values('SBI_Jantarmantar','Delhi',20000);


select * from branch;



insert into loan values(2,'SBI_Chamrajpet',1000);

insert into loan values(1,'SBI_ResidencyRoad',2000);

insert into loan values(3,'SBI_ShivajiRoad',3000);

insert into loan values(4,'SBI_ParlimentRoad',4000);

insert into loan values(5,'SBI_Jantarmantar',5000);


select * from loan;
```

insert into bank_account values(11,'SBI_Jantarmantar',2000);

insert into bank_account values(10,'SBI_ResidencyRoad',5000);

insert into bank_account values(9,'SBI_ParlimentRoad',3000);

insert into bank_account values(8,'SBI_ResidencyRoad',4000);

insert into bank_account values(6,'SBI_ShivajiRoad',4000);

insert into bank_account values(5,'SBI_Jantarmantar',8000);

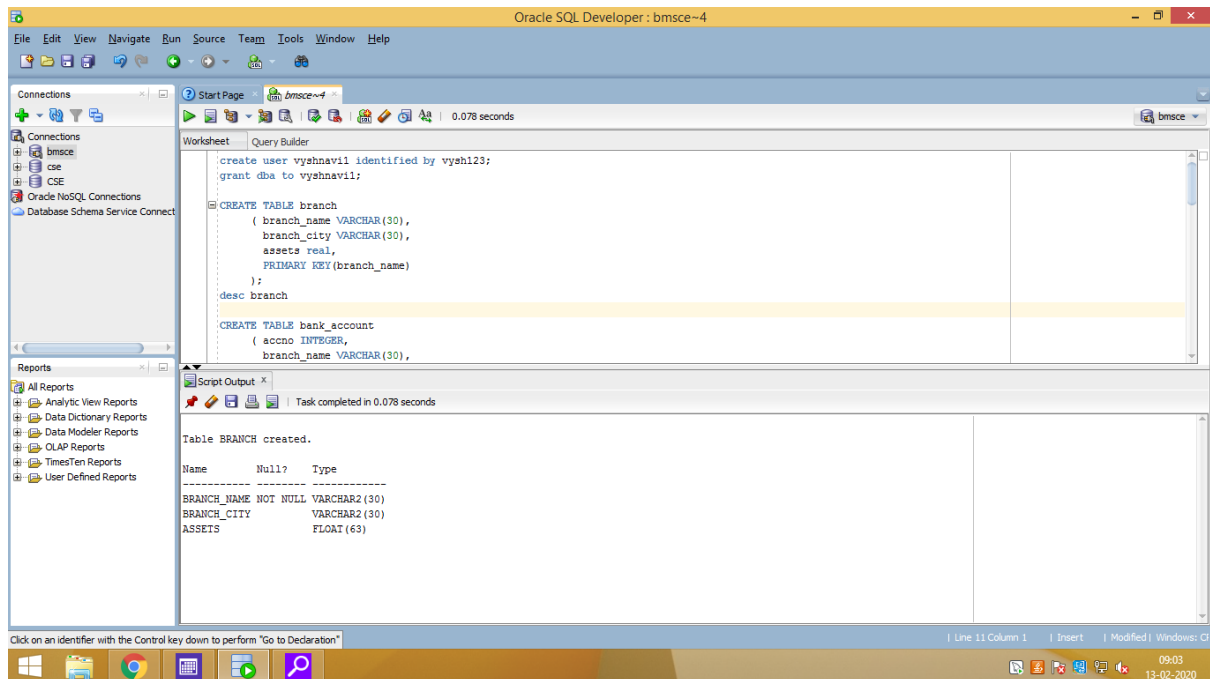insert into bank_account values(4,'SBI_ParlimentRoad',9000);

insert into bank_account values(3,'SBI_ShivajiRoad',6000);

insert into bank_account values(2,'SBI_ResidencyRoad',5000);

insert into bank_account values(1,'SBI_Chamrajpet',2000);

commit;

Screenshot 1 — Worksheet:

```
            assets real,
            PRIMARY KEY(branch_name)
    );
desc branch

CREATE TABLE bank_account
    ( accno INTEGER,
        branch_name VARCHAR(30),
        balance real,
        PRIMARY KEY(accno),
        FOREIGN KEY(branch_name) REFERENCES branch(branch_name)
    );
desc bank_account
```

Script Output — Task completed in 0.094 seconds

```
Name          Null?      Type
----------- -------- ------------
BRANCH_NAME  NOT NULL VARCHAR2(30)
BRANCH_CITY           VARCHAR2(30)
ASSETS                FLOAT(63)

Table BANK_ACCOUNT created.

Name          Null?      Type
----------- -------- ------------
ACCNO        NOT NULL NUMBER(38)
BRANCH_NAME           VARCHAR2(30)
BALANCE               FLOAT(63)
```

Screenshot 2 — Worksheet:

```
desc bank_account

CREATE TABLE bank_customer
    ( customer_name VARCHAR(30),
        customer_street VARCHAR(30),
        customer_city VARCHAR(30),
        PRIMARY KEY(customer_name)
    );
desc bank_customer

CREATE TABLE loan
    ( loan_number INTEGER,
        branch_name VARCHAR(30),
        amount real,
```

Script Output — Task completed in 0.109 seconds

```
Name          Null?      Type
----------- -------- ------------
ACCNO        NOT NULL NUMBER(38)
BRANCH_NAME           VARCHAR2(30)
BALANCE               FLOAT(63)

Table BANK_CUSTOMER created.

Name            Null?      Type
--------------- -------- ------------
CUSTOMER_NAME   NOT NULL VARCHAR2(30)
CUSTOMER_STREET          VARCHAR2(30)
CUSTOMER_CITY            VARCHAR2(30)
```

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Connections — Start Page — bmsce~4

Worksheet | Query Builder

```
CREATE TABLE loan
    ( loan_number INTEGER,
      branch_name VARCHAR(30),
      amount real,
      PRIMARY KEY(loan_number),
      FOREIGN KEY(branch_name) REFERENCES branch(branch_name)
    );
desc loan

CREATE TABLE depositor
    ( customer_name VARCHAR(30),
      accno INTEGER,
      PRIMARY KEY(customer_name, accno),
```

Script Output × | Task completed in 0.109 seconds

```
Name            Null?     Type
--------------- -------- ------------
CUSTOMER_NAME   NOT NULL VARCHAR2(30)
CUSTOMER_STREET          VARCHAR2(30)
CUSTOMER_CITY            VARCHAR2(30)

Table LOAN created.

Name          Null?     Type
----------- -------- ------------
LOAN_NUMBER NOT NULL NUMBER(38)
BRANCH_NAME          VARCHAR2(30)
AMOUNT               FLOAT(63)
```

Click on an identifier with the Control key down to perform "Go to Declaration" | Line 36 Column 10 | Insert | Modified | Windows: CI

09:03 13-02-2020

Oracle SQL Developer : bmsce~4

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Connections — Start Page — bmsce~4

Worksheet | Query Builder

```
CREATE TABLE depositor
    ( customer_name VARCHAR(30),
      accno INTEGER,
      PRIMARY KEY(customer_name, accno),
      FOREIGN KEY(customer_name) REFERENCES bank_customer(customer_name),
      FOREIGN KEY(accno) REFERENCES bank_account(accno)
    );
desc depositor

insert  into branch values('SBI_Chamrajpet','Bangalore',50000);
insert  into branch values('SBI_ResidencyRoad','Bangalore',10000);
insert  into branch values('SBI_ShivajiRoad','Bangalore',20000);
insert  into branch values('SBI_ParlimentRoad','Delhi',10000);
```

Script Output × | Task completed in 0.109 seconds

```
Name          Null?     Type
----------- -------- ------------
LOAN_NUMBER NOT NULL NUMBER(38)
BRANCH_NAME          VARCHAR2(30)
AMOUNT               FLOAT(63)

Table DEPOSITOR created.

Name            Null?     Type
------------- -------- ------------
CUSTOMER_NAME NOT NULL VARCHAR2(30)
ACCNO         NOT NULL NUMBER(38)
```

Click on an identifier with the Control key down to perform "Go to Declaration" | Line 45 Column 15 | Insert | Modified | Windows: CI

09:03 13-02-2020

Oracle SQL Developer : bmsce~4

```
insert  into branch values('SBI_ResidencyRoad','Bangalore',10000);
insert  into branch values('SBI_ShivajiRoad','Bangalore',20000);
insert  into branch values('SBI_ParlimentRoad','Delhi',10000);
insert  into branch values('SBI_Jantarmantar','Delhi',20000);

select * from branch;


insert into loan values(2,'SBI_Chamrajpet',1000);
insert into loan values(1,'SBI_ResidencyRoad',2000);
insert into loan values(3,'SBI_ShivajiRoad',3000);
insert into loan values(4,'SBI_ParlimentRoad',4000);
insert into loan values(5,'SBI_Jantarmantar',5000);
```

All Rows Fetched: 5 in 0 seconds

	BRANCH_NAME	BRANCH_CITY	ASSETS
1	SBI_Chamrajpet	Bangalore	50000
2	SBI_ResidencyRoad	Bangalore	10000
3	SBI_ShivajiRoad	Bangalore	20000
4	SBI_ParlimentRoad	Delhi	10000
5	SBI_Jantarmantar	Delhi	20000

Oracle SQL Developer : bmsce~4

```
insert  into branch values('SBI_Jantarmantar','Delhi',20000);

select * from branch;


insert into loan values(2,'SBI_Chamrajpet',1000);
insert into loan values(1,'SBI_ResidencyRoad',2000);
insert into loan values(3,'SBI_ShivajiRoad',3000);
insert into loan values(4,'SBI_ParlimentRoad',4000);
insert into loan values(5,'SBI_Jantarmantar',5000);

select * from loan;
```

All Rows Fetched: 5 in 0 seconds

	LOAN_NUMBER	BRANCH_NAME	AMOUNT
1	2	SBI_Chamrajpet	1000
2	1	SBI_ResidencyRoad	2000
3	3	SBI_ShivajiRoad	3000
4	4	SBI_ParlimentRoad	4000
5	5	SBI_Jantarmantar	5000