






CREATION OF VIEWS AND ASSERTIONS

```
CREATE TABLE BANK_EXP12_CSA_44 (BANK_CODE VARCHAR(3) PRIMARY KEY, BANK_NAME
VARCHAR(10) NOT NULL, HEADOFFICE VARCHAR(20), BRANCHES INT CHECK(BRANCHES>0));
```





	 COLUMN_NAME	 DATA_TYPE	 NULLABLE	DATA_DEFAULT	 COLUMN_ID	 COMMENTS
1	BANK_CODE	VARCHAR2(3 BYTE)	No	(null)	1	(null)
2	BANK_NAME	VARCHAR2(10 BYTE)	No	(null)	2	(null)
3	HEADOFFICE	VARCHAR2(20 BYTE)	Yes	(null)	3	(null)
4	BRANCHES	NUMBER(38,0)	Yes	(null)	4	(null)

```
INSERT INTO BANK_EXP12_CSA_44 VALUES('SBT','STATE BANK','MUMBAI',98);
```






```
INSERT INTO BANK_EXP12_CSA_44 VALUES('SIB','SOUTH','PUNE',100);
```

```
INSERT INTO BANK_EXP12_CSA_44 VALUES('HDF','HOUSING','ERNAKULAM',55);
```

```
INSERT INTO BANK_EXP12_CSA_44 VALUES('SBI','BANK INDIA','ERNAKULAM',60);
```

	 BANK_CODE	 BANK_NAME	 HEADOFFICE	 BRANCHES
1	SBT	STATE BANK	MUMBAI	98
2	SIB	SOUTH	PUNE	100
3	HDF	HOUSING	ERNAKULAM	55
4	SBI	BANK INDIA	ERNAKULAM	60

```
CREATE TABLE BRANCH_EXP12_CSA_44 (BRANCH_ID INT PRIMARY KEY, BRANCH_NAME
VARCHAR(20) DEFAULT'NEW DELHI', BANK_ID VARCHAR(3), FOREIGN KEY(BANK_ID) REFERENCES
BANK_EXP12_CSA_44 (BANK_CODE) ON DELETE CASCADE);
```




	 COLUMN_NAME	 DATA_TYPE	 NULLABLE	DATA_DEFAULT	 COLUMN_ID	 COMMENTS
1	BRANCH_ID	NUMBER(38,0)	No	(null)	1	(null)
2	BRANCH_NAME	VARCHAR2(20 BYTE)	Yes	'NEW DELHI'	2	(null)
3	BANK_ID	VARCHAR2(3 BYTE)	Yes	(null)	3	(null)

```
INSERT INTO BRANCH_EXP12_CSA_44 VALUES(1,'KOTTAYAM','SIB');
```

```
INSERT INTO BRANCH_EXP12_CSA_44 VALUES(2,'TRIVANDRUM','SBT');
```

```
INSERT INTO BRANCH_EXP12_CSA_44(BRANCH_ID,BANK_ID) VALUES(3,'HDF');
```

```
INSERT INTO BRANCH_EXP12_CSA_44 VALUES(4,'KOZHIKOD','SBI');
```

	 BRANCH_ID	 BRANCH_NAME	 BANK_ID
1	1	KOTTAYAM	SIB
2	2	TRIVANDRUM	SBT
3	3	NEW DELHI	HDF
4	4	KOZHIKOD	SBI

```
DELETE FROM BANK_EXP12_CSA_44 WHERE BANK_CODE='SBT';
```

	BRANCH_ID	BRANCH_NAME	BANK_ID
1	1	KOTTAYAM	SIB
2	3	NEW DELHI	HDF
3	4	KOZHIKOD	SBI

ALTER TABLE BRANCH_EXP12_CSA_44 DROP PRIMARY KEY;

	COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1	BRANCH_ID	NUMBER(38,0)	Yes	(null)	1	(null)
2	BRANCH_NAME	VARCHAR2(20 BYTE)	Yes	'NEW DELHI'	2	(null)
3	BANK_ID	VARCHAR2(3 BYTE)	Yes	(null)	3	(null)

CREATE VIEW BANK_HEAD_OFFICE AS SELECT * FROM BANK_EXP12_CSA_44 WHERE HEADOFFICE='ERNAKULAM';

SELECT * FROM BANK_HEAD_OFFICE;

	BANK_CODE	BANK_NAME	HEADOFFICE	BRANCHES
1	HDF	HOUSING	ERNAKULAM	55
2	SBI	INDIA	ERNAKULAM	60

CREATE VIEW BANK_BRANCH_EXP12_CSA_44 AS SELECT B.* FROM BANK_EXP12_CSA_44 B JOIN BRANCH_EXP12_CSA_44 C ON B.BANK_CODE=C.BANK_ID WHERE BRANCH_NAME='KOTTAYAM';

SELECT * FROM BANK_BRANCH_EXP12_CSA_44;

	BANK_CODE	BANK_NAME	HEADOFFICE	BRANCHES
1	SIB	SOUTH	PUNE	100