

CODE:

```
CREATE TABLE customer
(
customer_id INT,
name VARCHAR2(30) NOT NULL,
phone_no INT NOT NULL,
pin INT,
city VARCHAR2(20),
state VARCHAR2(20),
PRIMARY KEY (customer_id)
);
```

```
ALTER TABLE customer
MODIFY phone_no INT NOT NULL check(length(phone_no)=10);
```

```
CREATE TABLE album
(
album_id INT,
title VARCHAR2(20) NOT NULL,
price INT DEFAULT 0,
release_date DATE NOT NULL,
PRIMARY KEY (album_id)
);
```

```
CREATE TABLE song
(
song_id INT,
playtime INT NOT NULL,
song_title VARCHAR2(20),
a_id INT,
FOREIGN KEY (a_id) REFERENCES album (album_id),
PRIMARY KEY (song_id)
);
```

```
CREATE TABLE artist
(
artist_id INT,
name VARCHAR2(30) NOT NULL,
nationality VARCHAR2(20),
debut_date DATE,
PRIMARY KEY (artist_id)
);
```

```
CREATE TABLE band
(
band_name VARCHAR2(30) NOT NULL,
```

```
active_since DATE,  
number_of_members INT DEFAULT 1 CHECK (number_of_members>=2) ,  
aa_id INT,  
FOREIGN KEY (aa_id) REFERENCES artist (artist_id),  
PRIMARY KEY (band_name,aa_id)  
);
```

```
CREATE TABLE purchase  
(  
c_id INT PRIMARY KEY,  
purchase DATE,  
product INT,  
FOREIGN KEY (c_id) REFERENCES customer (customer_id),  
FOREIGN KEY (product) REFERENCES album (album_id)  
);
```

```
CREATE TABLE genre  
(  
s_id INT NOT NULL,  
category VARCHAR2(20) NOT NULL,  
FOREIGN KEY (s_id) REFERENCES song (song_id)  
)
```

```
CREATE TABLE created_by  
(  
art_id INT NOT NULL,  
so_id INT NOT NULL,  
FOREIGN KEY (art_id) REFERENCES artist (artist_id),  
FOREIGN KEY (so_id) REFERENCES song (song_id)  
)
```

```
DESC customer  
DESC album  
DESC song  
DESC artist  
DESC band  
DESC purchase  
DESC genre  
DESC created_by
```


