CREATE TABLE Customer(

Customer\_id varchar2(10),

Email\_id varchar2(20) NOT NULL,

Fname varchar(10) NOT NULL,

Lname varchar2(10) NOT NULL,

Phone int NOT NULL,

Pass varchar2(8) NOT NULL,

Free\_Nights int DEFAULT 0,

Registration\_Date date NOT NULL,

Communication\_Pref varchar2(20),

Zip int NOT NULL, CHECK(zip BETWEEN 10000 AND 99999),

Country varchar2(20) NOT NULL,

PRIMARY KEY(Customer\_id)

);

CREATE TABLE Payment\_type(

Payment\_id varchar2(10) NOT NULL,

Customer\_id varchar2(10) ,

Payment\_type varchar2(10) NOT NULL,

PRIMARY KEY (Payment\_id),

FOREIGN KEY (Customer\_id ) REFERENCES Customer(Customer\_id ) ON DELETE CASCADE

);

CREATE TABLE Card(

Payment\_id varchar2(10) NOT NULL,

Card\_number varchar2(16) UNIQUE,

Zip int NOT NULL,

Country varchar2(10) NOT NULL,

Expiration\_month int NOT NULL,

Expiration\_year int NOT NULL,

PRIMARY KEY (Payment\_id),

FOREIGN KEY (Payment\_id) REFERENCES Payment\_type(Payment\_id) ON DELETE CASCADE

);

CREATE TABLE Paypal(

Payment\_id varchar2(10),

User\_name varchar2(20) UNIQUE,

PRIMARY KEY (Payment\_id),

FOREIGN KEY (Payment\_id) REFERENCES Payment\_type(Payment\_id) ON DELETE CASCADE

);

CREATE TABLE Giftcard(

Payment\_id varchar2(10) ,

Giftcard\_no int UNIQUE,

PRIMARY KEY (Payment\_id),

FOREIGN KEY (Payment\_id) REFERENCES Payment\_type(Payment\_id) ON DELETE CASCADE

);

CREATE TABLE Hotels(

Hotel\_id varchar2(10),

Tax\_id varchar2(10) NOT NULL,

Name varchar2(10) NOT NULL,

Street varchar2(10) NOT NULL,

City varchar2(10) NOT NULL,

Province varchar2(10) NOT NULL,

Zip varchar2(10) NOT NULL,

Contact int NOT NULL,

Rating int DEFAULT 0,

Stars int NOT NULL,

Group\_name varchar2(10) ,

Free\_cancellation\_days int,

Mgr\_ssn varchar2(10) UNIQUE,

Mgr\_name varchar2(50),

PRIMARY KEY (Hotel\_id),

FOREIGN KEY (Tax\_id ) REFERENCES Tax\_percentage(Tax\_id) ON DELETE SET NULL);

CREATE TABLE Hotel\_Amenities(

Hotel\_id varchar2(10),

Hotel\_amenity\_id varchar2(10),

Description varchar2(30),

PRIMARY KEY (Hotel\_id, Hotel\_amenity\_id ),

FOREIGN KEY (Hotel\_id) REFERENCES Hotels (Hotel\_id) ON DELETE CASCADE

);

\*AFTER NORM

CREATE TABLE Hotel\_Photos(

Hotel\_id varchar2(10),

Photo\_id varchar2(10),

Photo blob,

PRIMARY KEY (Hotel\_id, Photo\_id),

FOREIGN KEY (Hotel\_id) REFERENCES Hotels(Hotel\_id) ON DELETE CASCADE

);

CREATE TABLE Has\_favourite(

Customer\_id varchar2(10),

Hotel\_id varchar2(10) ,

PRIMARY KEY (Customer\_id , Hotel\_id ),

FOREIGN KEY (Customer\_id ) REFERENCES Customer(Customer\_id ) ON DELETE CASCADE ,

FOREIGN KEY (Hotel\_id ) REFERENCES Hotels(Hotel\_id ) ON DELETE CASCADE

);

\*AFTER norm

CREATE TABLE Room\_Type(

Room\_type\_id varchar2(10),

Hotel\_id varchar2(10) NOT NULL,

Accommodates int NOT NULL,

Bed\_choice char NOT NULL,

Total\_rooms int NOT NULL,

Area int NOT NULL,

Layout varchar2(10) NOT NULL,

Accessibility varchar2(20) NOT NULL,

Free\_breakfast char NOT NULL,

Practical varchar(20) NOT NULL,

Bathrooms int NOT NULL,

Comfort varchar2(20) NOT NULL,

WiFi char NOT NULL ,

Price int NOT NULL,

Crib char NOT NULL ,

Entertainment varchar(20) NOT NULL,

Sofa char NOT NULL,

Extra\_bed char NOT NULL ,

Sleeps int NOT NULL,

Food\_drink char NOT NULL,

Air\_conditioner char NOT NULL,

Smoking char NOT NULL,

PRIMARY KEY (Room\_type\_id, Hotel\_id),

FOREIGN KEY (Hotel\_id) REFERENCES Hotels(Hotel\_id) ON DELETE CASCADE

);

CREATE TABLE Room\_amenities(

Room\_type\_id varchar2(10),

Hotel\_id varchar(10),

Room\_amenity\_id varchar2(10),

Description varchar2(50),

PRIMARY KEY (Room\_type\_id, Hotel\_id, Room\_amenity\_id ),

FOREIGN KEY (Room\_type\_id, Hotel\_id) REFERENCES Room\_type (Room\_type\_id, Hotel\_id) ON DELETE CASCADE

);

CREATE TABLE Room(

Room\_no int,

Room\_type\_id varchar(10),

Hotel\_id varchar(10),

PRIMARY KEY (Room\_no, Room\_type\_id, Hotel\_id),

FOREIGN KEY (Room\_type\_id, Hotel\_id) REFERENCES Room\_type (Room\_type\_id, Hotel\_id) ON DELETE CASCADE

);

\*changed

CREATE TABLE Booking(

Booking\_id VARCHAR(10),

Customer\_id VARCHAR(10),

Hotel\_id VARCHAR(10),

Payment\_id VARCHAR(10),

Room\_type\_id VARCHAR(10),

Booking\_date DATE NOT NULL,

CheckIn\_date DATE NOT NULL,

CheckOut\_date DATE NOT NULL,

Quote\_price INT NOT NULL,

Completed CHAR,

No\_of\_rooms int NOT NULL,

Status varchar2(10) NOT NULL,

PRIMARY KEY (Booking\_id),

FOREIGN KEY (Customer\_id) REFERENCES Customer(Customer\_id),

FOREIGN KEY (Room\_type\_id, Hotel\_id) REFERENCES Room\_type (Room\_type\_id, Hotel\_id) ON DELETE CASCADE,

FOREIGN KEY (Payment\_id) REFERENCES Payment\_type(Payment\_id) ON DELETE SET NULL

);

CREATE TABLE Give\_reviews\_for(

Customer\_id varchar2(20),

Hotel\_id varchar2(20),

Trip\_type varchar2(10),

Number\_of\_nights int,

Comments varchar2(40),

Rating int CHECK(Rating BETWEEN 1 AND 10) NOT NULL,

Review\_date date NOT NULL,

PRIMARY KEY (Customer\_id , Hotel\_id),

FOREIGN KEY (Customer\_id ) REFERENCES Customer(Customer\_id) ON DELETE CASCADE,

FOREIGN KEY (Hotel\_id ) REFERENCES Hotels(Hotel\_id) ON DELETE CASCADE

);

CREATE TABLE Offers(

Offer\_id varchar2(10),

Hotel\_id varchar2(10),

Description varchar2(40),

Discount int NOT NULL,

From\_date date NOT NULL,

To\_date date NOT NULL,

PRIMARY KEY (Offer\_id ),

FOREIGN KEY(Hotel\_id ) REFERENCES Hotels(Hotel\_id) ON DELETE CASCADE);

CREATE TABLE Places\_to\_visit(

Name varchar2(20) NOT NULL,

Street varchar2(100) NOT NULL,

City varchar2(10) NOT NULL,

Province varchar2(10) NOT NULL,

Zip int NOT NULL,

PRIMARY KEY (Name)

);

CREATE TABLE Hotels\_around(

Hotel\_id varchar2(10),

Name varchar2(20),

Distance float NOT NULL,

PRIMARY KEY (Hotel\_id , Name),

FOREIGN KEY (Hotel\_id ) REFERENCES Hotels(Hotel\_id ) ON DELETE CASCADE,

FOREIGN KEY (Name ) REFERENCES Places\_to\_visit(Name ) ON DELETE CASCADE

);

CREATE TABLE tax\_percentage(

Tax\_id varchar2(10) NOT NULL,

Percentage float NOT NULL,

State varchar2(20) NOT NULL,

Country varchar2(20) NOT NULL,

PRIMARY KEY (Tax\_id )

);