**HOTEL MANAGEMENT SYSTEM QUERIES**

**CREATION OF TABLES:**

CREATE TABLE CUSTOMER(CUSTOMER\_ID VARCHAR(5) PRIMARY KEY, FIRST\_NAME VARCHAR(10) NOT NULL, MIDDLE\_NAME VARCHAR(10), LAST\_NAME VARCHAR(10) NOT NULL, COUNTRY VARCHAR(15) NOT NULL, EMAIL\_ID VARCHAR(20) NOT NULL);

CREATE TABLE ROOM(ROOM\_NO VARCHAR(5) PRIMARY KEY, TYPE VARCHAR(10) NOT NULL, RATE INT NOT NULL);

CREATE TABLE INVOICE(INVOICE\_ID VARCHAR(10) PRIMARY KEY, STATUS VARCHAR(10), DESCRIPTION VARCHAR(30));

CREATE TABLE BILL(BILL\_NO VARCHAR(10) PRIMARY KEY, AMOUNT INT NOT NULL);

CREATE TABLE EMPLOYEE(EMPLOYEE\_ID VARCHAR(5) PRIMARY KEY, NAME VARCHAR(15) NOT NULL, SALARY INT NOT NULL);

CREATE TABLE HOTEL\_BRANCH(BRANCH\_ID VARCHAR(5) PRIMARY KEY, NAME VARCHAR(15) NOT NULL, LOCATION VARCHAR(10) NOT NULL);

CREATE TABLE FACILITIES(NAME VARCHAR(15), PRICE\_PER\_HOUR INT NOT NULL, BRANCH\_ID VARCHAR(5), PRIMARY KEY(NAME,BRANCH\_ID));

CREATE TABLE RESERVATION(PNR VARCHAR(5) PRIMARY KEY, CHECK\_IN\_DATE DATE NOT NULL, CHECK\_OUT\_DATE DATE NOT NULL, DURATION INT, PRICE INT);

CREATE TABLE SERVICE(NAME VARCHAR(10) PRIMARY KEY);

CREATE TABLE PERFORMS(NUMBER\_OF\_HOURS INT);

**LINKING OF TABLES:**

ALTER TABLE INVOICE ADD CUSTOMER\_ID VARCHAR(5);

ALTER TABLE INVOICE ADD FOREIGN KEY (CUSTOMER\_ID) REFERENCES CUSTOMER (CUSTOMER\_ID);

ALTER TABLE BILL ADD INVOICE\_ID VARCHAR(10);

ALTER TABLE BILL ADD FOREIGN KEY (INVOICE\_ID) REFERENCES INVOICE (INVOICE\_ID);

ALTER TABLE EMPLOYEE ADD SUPERVISOR\_ID VARCHAR(5);

ALTER TABLE EMPLOYEE ADD FOREIGN KEY(SUPERVISOR\_ID) REFERENCES EMPLOYEE(EMPLOYEE\_ID);

ALTER TABLE EMPLOYEE ADD BRANCH\_ID VARCHAR(5);

ALTER TABLE EMPLOYEE ADD FOREIGN KEY(BRANCH\_ID) REFERENCES HOTEL\_BRANCH(BRANCH\_ID);

ALTER TABLE FACILITIES ADD FOREIGN KEY(BRANCH\_ID) REFERENCES HOTEL\_BRANCH(BRANCH\_ID);

ALTER TABLE ROOM ADD BRANCH\_ID VARCHAR(5);

ALTER TABLE ROOM ADD FOREIGN KEY(BRANCH\_ID) REFERENCES HOTEL\_BRANCH(BRANCH\_ID);

ALTER TABLE RESERVATION ADD CUSTOMER\_ID VARCHAR(5);

ALTER TABLE RESERVATION ADD FOREIGN KEY(CUSTOMER\_ID) REFERENCES CUSTOMER(CUSTOMER\_ID);

ALTER TABLE RESERVATION ADD ROOM\_NO VARCHAR(5);

ALTER TABLE RESERVATION ADD FOREIGN KEY(ROOM\_NO) REFERENCES ROOM(ROOM\_NO);

ALTER TABLE SERVICE ADD MANAGER\_ID VARCHAR(5);

ALTER TABLE SERVICE ADD FOREIGN KEY(MANAGER\_ID) REFERENCES EMPLOYEE(EMPLOYEE\_ID);

ALTER TABLE PERFORMS ADD EMPLOYEE\_ID VARCHAR(5);

ALTER TABLE PERFORMS ADD SERVICE\_NAME VARCHAR(10);

ALTER TABLE PERFORMS ADD FOREIGN KEY(EMPLOYEE\_ID) REFERENCES EMPLOYEE(EMPLOYEE\_ID);

ALTER TABLE PERFORMS ADD FOREIGN KEY(SERVICE\_NAME) REFERENCES SERVICE(NAME);

ALTER TABLE RESERVATION DROP DURATION;

ALTER TABLE RESERVATION DROP PRICE;









