

```
CREATE TABLE GAMES(  
GAME_ID CHAR(6) PRIMARY KEY NOT NULL,  
GAME_NAME VARCHAR(50) NOT NULL,  
GAME_DESCRIPTION VARCHAR(250)  
);
```

```
CREATE TABLE GAME_TABLE(  
GAME_TABLE_ID CHAR(5) PRIMARY KEY NOT NULL,  
GAME_ID CHAR(6) NOT NULL,  
CAPACITY INTEGER NOT NULL,  
INITIAL_AMOUNT INTEGER NOT NULL  
);
```

```
CREATE TABLE EMPLOYEE(  
EMPLOYEE_ID CHAR(10) PRIMARY KEY NOT NULL,  
FIRST_NAME VARCHAR(25) NOT NULL,  
LAST_NAME VARCHAR(25) NOT NULL,  
GENDER CHAR(1) NOT NULL,  
BIRTH_DATE DATE NOT NULL,  
SALARY DECIMAL(10,2) NOT NULL,  
POSITION_CODE CHAR(5) NOT NULL,  
HIRE_DATE DATE  
);
```

```
CREATE TABLE POSITION (  
POSITION_CODE CHAR(5) PRIMARY KEY NOT NULL,  
POSITION_NAME VARCHAR(25) NOT NULL,  
DESCRIPTION VARCHAR(100)  
);
```

```
CREATE TABLE SHIFT(  
SHIFT_ID VARCHAR(10) PRIMARY KEY NOT NULL,  
SHIFT VARCHAR(15) NOT NULL  
);
```

```
CREATE TABLE ROUNDS(  
ROUND_ID CHAR(5) PRIMARY KEY NOT NULL,  
GAME_TABLE_ID CHAR(5) NOT NULL,  
EMPLOYEE_ID CHAR(10) NOT NULL,  
GAME_DAY DATE NOT NULL,  
SHIFT_ID VARCHAR(10) NOT NULL  
);
```

```
CREATE TABLE DRINK_ORDER(  
TICKET_ID CHAR(10) PRIMARY KEY NOT NULL,  
GAME_TABLE_ID CHAR(5) NOT NULL  
);
```

```
CREATE TABLE DRINK_ITEM(  
TICKET_ID CHAR(10) NOT NULL,
```

```
SEQNUMBER INTEGER NOT NULL,  
DRINK_ID CHAR(5) NOT NULL,  
QUANTITY INTEGER NOT NULL,  
PRIMARY KEY (TICKET_ID, SEQNUMBER)  
);
```

```
CREATE TABLE DRINK_NAME(  
DRINK_ID CHAR(5) PRIMARY KEY NOT NULL,  
DRINK_NAME VARCHAR(25) NOT NULL,  
UNIT_PRICE DECIMAL(10,2) NOT NULL  
);
```

```
CREATE TABLE TRANSACTION_IN(  
ROUND_ID CHAR(5) NOT NULL,  
SEQNUMBER INTEGER NOT NULL,  
CHIP_ID CHAR(2) NOT NULL,  
QUANTITY_IN INTEGER NOT NULL,  
PRIMARY KEY(ROUND_ID, SEQNUMBER)  
);
```

```
CREATE TABLE TRANSACTION_OUT(  
ROUND_ID CHAR(5) NOT NULL,  
SEQNUMBER INTEGER NOT NULL,  
CHIP_ID CHAR(2) NOT NULL,  
QUANTITY_OUT INTEGER NOT NULL,  
PRIMARY KEY(ROUND_ID, SEQNUMBER)  
);
```

```
CREATE TABLE PAYMENT(  
PAYMENT_ID CHAR(5) NOT NULL,  
SEQNUMBER INTEGER NOT NULL,  
PLAYER_ID CHAR(9) NOT NULL,  
CHIP_TYPE CHAR(2) NOT NULL,  
QUANTITY INTEGER NOT NULL,  
SHIFT_ID VARCHAR(10) NOT NULL,  
TRANSACTION_DATE DATE NOT NULL,  
PRIMARY KEY (PAYMENT_ID, SEQNUMBER)  
);
```

```
CREATE TABLE CHIPS(  
CHIP_ID CHAR(2) PRIMARY KEY NOT NULL,  
VALUE INTEGER NOT NULL,  
COLOR VARCHAR(10) NOT NULL  
);
```

```
CREATE TABLE PLAYERS(  
PLAYER_ID CHAR(9) PRIMARY KEY NOT NULL,  
FIRST_NAME VARCHAR(25) NOT NULL,  
LAST_NAME VARCHAR(25) NOT NULL,
```

```
AGE INTEGER,  
GENDER_ID CHAR(1) NOT NULL,  
PHONE_NUMBER VARCHAR(20)  
);
```

```
CREATE TABLE GENDER(  
GENDER_ID CHAR(1) PRIMARY KEY NOT NULL,  
DESCRIPTION VARCHAR(10) NOT NULL  
);
```

```
#####FK OF TABLE GAME_TABLE
```

```
ALTER TABLE GAME_TABLE  
ADD FOREIGN KEY (GAME_ID)  
REFERENCES GAMES (GAME_ID);
```

```
#####FK OF TABLE EMPLOYEE
```

```
ALTER TABLE EMPLOYEE  
ADD FOREIGN KEY (POSITION_CODE)  
REFERENCES POSITION (POSITION_CODE);
```

```
ALTER TABLE EMPLOYEE  
ADD FOREIGN KEY (GENDER)  
REFERENCES GENDER (GENDER_ID);
```

```
#####FK OF TABLE ROUNDS
```

```
ALTER TABLE ROUNDS  
ADD FOREIGN KEY (GAME_TABLE_ID)  
REFERENCES GAME_TABLE (GAME_TABLE_ID);
```

```
ALTER TABLE ROUNDS  
ADD FOREIGN KEY (SHIFT_ID)  
REFERENCES SHIFT (SHIFT_ID);
```

```
ALTER TABLE ROUNDS  
ADD FOREIGN KEY (EMPLOYEE_ID)  
REFERENCES EMPLOYEE (EMPLOYEE_ID);
```

```
#####FK OF TABLE DRINK_ORDER
```

```
ALTER TABLE DRINK_ORDER  
ADD FOREIGN KEY (GAME_TABLE_ID)  
REFERENCES GAME_TABLE (GAME_TABLE_ID);
```

```
#####FK OF TABLE DRINK_ITEM
```

```
ALTER TABLE DRINK_ITEM  
ADD FOREIGN KEY (TICKET_ID)
```

REFERENCES DRINK_ORDER (TICKET_ID);

ALTER TABLE DRINK_ITEM
ADD FOREIGN KEY (DRINK_ID)
REFERENCES DRINK_NAME (DRINK_ID);

#####FK OF TABLE PLAYERS

ALTER TABLE PLAYERS
ADD FOREIGN KEY (GENDER_ID)
REFERENCES GENDER (GENDER_ID);

#####FK OF TABLE TRANSACTION_IN

ALTER TABLE TRANSACTION_IN
ADD FOREIGN KEY (ROUND_ID)
REFERENCES ROUNDS (ROUND_ID);

ALTER TABLE TRANSACTION_IN
ADD FOREIGN KEY (CHIP_ID)
REFERENCES CHIPS (CHIP_ID);

#####FK OF TABLE TRANSACTION_OUT

ALTER TABLE TRANSACTION_OUT
ADD FOREIGN KEY (ROUND_ID)
REFERENCES ROUNDS (ROUND_ID);

ALTER TABLE TRANSACTION_OUT
ADD FOREIGN KEY (CHIP_ID)
REFERENCES CHIPS (CHIP_ID);

#####FK OF TABLE PAYMENT

ALTER TABLE PAYMENT
ADD FOREIGN KEY (PLAYER_ID)
REFERENCES PLAYERS (PLAYER_ID);

ALTER TABLE PAYMENT
ADD FOREIGN KEY (CHIP_TYPE)
REFERENCES CHIPS (CHIP_ID);

ALTER TABLE PAYMENT
ADD FOREIGN KEY (SHIFT_ID)
REFERENCES SHIFT (SHIFT_ID);