

TABLE CREATIONS IN SQL

```
CREATE TABLE Item (  
    item_ID char(6) NOT NULL,  
    name varchar(30),  
    price numeric(4,2),  
    calories int,  
    type_ID char(2),  
    PRIMARY KEY (item_ID),  
    FOREIGN KEY (type_ID) REFERENCES MenuType(type_ID)  
);
```

```
CREATE TABLE Allergen (  
    allergen_ID char(2),  
    name varchar(30),  
    PRIMARY KEY (allergen_ID)  
);
```

```
CREATE TABLE MenuType (  
    type_ID char(2) NOT NULL,  
    name varchar(30),  
    PRIMARY KEY (type_ID)  
);
```

```
CREATE TABLE Diet (  
    diet_ID char(3),  
    name varchar(30),  
    PRIMARY KEY (diet_ID)  
);
```

```
CREATE TABLE Item_Diet (  
    item_ID char(6) NOT NULL,  
    diet_ID char(3) NOT NULL,  
    PRIMARY KEY (item_ID, diet_ID),  
    FOREIGN KEY (item_ID) REFERENCES Item(item_ID),  
    FOREIGN KEY (diet_ID) REFERENCES Diet(diet_ID)  
);
```

```
CREATE TABLE Item_Allergen (  
    item_ID char(6) NOT NULL,  
    allergen_ID char(2) NOT NULL,  
    PRIMARY KEY (item_ID, allergen_ID),  
    FOREIGN KEY (item_ID) REFERENCES Item(item_ID),  
    FOREIGN KEY (allergen_ID) REFERENCES Allergen(allergen_ID)  
);
```