TABLE CREATIONS IN SQL

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

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

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

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

```sql
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 Allergen_Item (
    item_ID CHAR(6) NOT NULL,
    allergen_ID CHAR(3) NOT NULL,
    PRIMARY KEY (item_ID, allergen_ID),
    FOREIGN KEY (item_ID) REFERENCES Item(item_ID),
    FOREIGN KEY (allergen_ID) REFERENCES Allergen(allergen_ID)
);
```