A composite object is an object that has one or more multi-value simple or group attributes but no object attributes. **Figure** below shows an example composite object, HOTEL-BILL. To represent this object, one relation is created for the base object, HOTEL-BILL, and an additional relation is created for the repeating group attribute, DailyCharge. This relational design is shown in Figure also.

Compound Objects

HOTEL-BILL

ID InvoiceNumber

   Arival Date

   CustomerName

  ID ChargeDate

    RoomCharge

    FoodCharge

    Phone Charge

Relations representing Hotel Bill

HOTEL-BILL (InvoiceNumber, ArrivalDate, CustomerName)

DAILY-CHARGE (InvoiceNumber, ChargeDate, RoomCharge, FoodCharge, PhoneCharge)
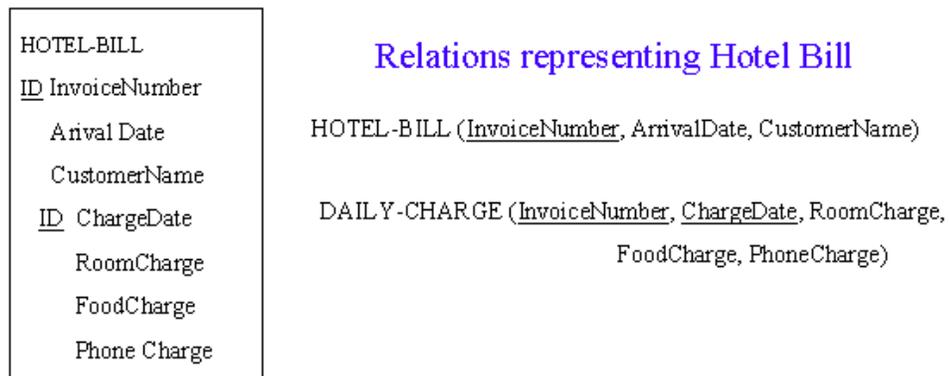
Hotel Bill **OBJECT** diagram

In the key of DAILY-CHARGE, InvoiceNumber is underlined because it is part of the key of DAILY-CHARGE, and it is italicized because it is also a foreign key. ChargeDate is underlined because it is part of the key of DAILY-CHARGE, but it is not italicized because it is not a foreign key.