# Mapping the ER model to the relational model

Step 1: Map Entities

#### Map 1:1 relationship’s

Performer (Emp No, Name, Address, Bank BSB, Bank ACC)

Cruise (Cruise ID, Start Port, Destination Port, Start Date, End Date)

Show (Title, Duration, Type)

#### Map weak entities

Performance (Show\_Title\*, Notes, Start Time, Classification)  
Together (Title, Start Time) form the primary key of the new relation (underlined)

Step 2: Map Relationships

#### Map 1:1 relationship’s

Performance (Notes, Start Time, Classification, Show\_Title\*, Cruise\_ID\*)

Scheduled On (Cruise\_ID\*, Performance\_Time\*)

#### Map 1:n relationship’s

#### Map N:M relationship’s

Works On (Emp No\*, Cruise ID)