**PERFORMANCE HALLS**

**UNF – List all attributes AND identify repeating groups**

Booking ( start\_time, date, venue, venus\_location, show\_type, show, organiser, organiser's\_contact)

**Repeating groups : group of multi value attribute**

No repeating group

**1NF – Remove repeating group AND identify PKs & CKs AND Partial Dependencies (PD)**

Booking ( start\_time, date, venue, venus\_location, show, show\_type, organiser, organiser's\_contact)

**Partial Dependencies:**

(venue 🡪 venus\_location)

**2NF – Relations must be in 1NF, remove PD and identify Transitive Dependencies (TD)**

Booking ( start\_time, date, venue, show, show\_type, organiser, organiser's\_contact)

**Remove PD:**

(venue 🡪 venus\_location)

**Transitive Dependencies**

(organiser 🡪 organiser's\_contact)

(show 🡪 show\_type)

**3NF – Relation must be in 2NF, remove TD, and show Full Dependencies**

Booking ( start\_time, date, venue, show, organiser)

organiser (organiser, organiser's\_contact)

venue (venue, venus\_location)

Event (show 🡪 show\_type)

**Full Dependencies:**

start\_time, date, venue 🡪 show, organiser

organiser 🡪 organiser's\_contact

venue 🡪 venus\_location

show 🡪 show\_type