**Q2: -**

Note: Consider [ ] as projection, ‘WHERE’ as selection, ‘JOIN’ as join operation.

**1.** Get the names and instruments for all players.

**PLAYER[PlayerName, Instrument]**

**2.** Get the full details of the events held at the venue ‘Ulster Hall’

**EVENT WHERE Venue = ‘Ulster Hall’**

**3.** Get the names of players who play the violin and are aged below 40.

**(PLAYER WHERE Instrument = ‘Violin’ AND Age < 40)**

**(PLAYER WHERE Instrument = ‘Violin’ AND Age < 40)[PlayerName]**

**4.** Get a list of player names with the town their orchestra is based in.

**(PLAYER JOIN PLAYER.OrchestraCode=ORCHESTRA.OrchestraCode ORCHESTRA)**

This becomes the input to the PROJECT operation

**(PLAYER JOIN PLAYER.OrchestraCode=ORCHESTRA.OrchestraCode ORCHESTRA)[PlayerName, Town]**

**5.** Get a list of venues and event dates where the conductor is ‘P Mancini’.

**((EVENT JOIN PLAYER.OrchestraCode=ORCHESTRA.OrchestraCode ORCHESTRA)WHERE Conductor = ‘P Mancini’)[Venue, EventDate]**

**6.** Get a list of player names and orchestra names with venues and event dates that the

‘Omagh Brass Ensemble’ is playing

**(((EVENT JOIN PLAYER.OrchestraCode=ORCHESTRA.OrchestraCode ORCHESTRA) JOIN PLAYER.OrchestraCode=ORCHESTRA.OrchestraCode**

**PLAYER) WHERE OrchestraName = ‘Omagh Brass Ensemble’)[PlayerName, OrchestraName, Venue, EventDate]**