**Coursera Week2 Assignment: Creating Tables:**

**Employee**

**mysql>** CREATE TABLE Customer ( custNo CHAR(8) NOT NULL, custName VARCHAR(30) NOT NULL, address VARCHAR(50) NOT NULL, internal CHAR(1) NOT NULL, city VARCHAR(30) NOT NULL, zip VARCHAR(10) NOT NULL, state VARCHAR(2) NOT NULL, contact VARCHAR(50) NOT NULL, phone

VARCHAR(30) NOT NULL, CONSTRAINT CustomerPk PRIMARY KEY (custNo) );

Query OK, 0 rows affected (0.14 sec)

**RESOURCETBL**

**mysql>** CREATE TABLE ResourceTbl(resNo VARCHAR(8) NOT NULL, resName VARCHAR(30) NOT NULL, rate DECIMAL(8,2) NOT NULL,

CONSTRAINT PK\_ResourceTbl PRIMARY KEY (resNo) );

Query OK, 0 rows affected (0.06 sec)

**EVENTREQUEST:**

**mysql>** CREATE TABLE EventRequest ( evntNo VARCHAR(8) NOT NULL, custNo VARCHAR(8) NOT NULL, facNo VARCHAR(8) NOT NULL, dateHeld DATE NOT NULL, dateReq DATE NOT NULL, dateAuth DATE, status VARCHAR(20) NOT NULL, estCost DECIMAL(8, 2) NOT NULL, estAudience INTEGER NOT NULL, budNo VARCHAR(30), CONSTRAINT EventRequestPK PRIMARY KEY (evntNo), CONSTRAINT FK\_Facility FOREIGN KEY (facNo) REFERENCES Facility (facNo), CONSTRAINT FK\_Customer FOREIGN KEY (custNo) REFERENCES Customer (custNo), CHECK (status IN('Pending','Denied','Approved') AND estaudience>0) );

**EVENTPLAN:**

**mysql>** CREATE TABLE EventPlan( planNo VARCHAR(8) NOT NULL, evntNo VARCHAR(8) NOT NULL, empNo VARCHAR(8), workDate DATE NOT NULL, notes TEXT, activity VARCHAR(10) NOT NULL, CONSTRAINT PK\_EventPlan PRIMARY KEY (planNo), CONSTRAINT FK\_EventRequest FOREIGN KEY (evntNo) REFERENCES EventRequest (evntNo),

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| CONSTRAINT FK\_Employee FOREIGN KEY (empNo) REFERENCES Employee (empNo) ); |
| **EVENTPLANLINE:**  **mysql>** CREATE TABLE EventPlanLine ( planNo CHAR(8) NOT NULL, lineNo CHAR(8) NOT NULL, locNo CHAR(8) NOT NULL, resNo CHAR(8) NOT NULL, timeStart TIMESTAMP NOT NULL, timeEnd TIMESTAMP NOT NULL, numberFLD INTEGER NOT NULL, CONSTRAINT PK\_EventPlanLine PRIMARY KEY (planNo, lineNo), CONSTRAINT FK\_EventPlan FOREIGN KEY (planNo) REFERENCES EventPlan (planNo), CONSTRAINT FK\_Location FOREIGN KEY (locNo) REFERENCES Location (locNo), CONSTRAINT FK\_ResourceTbl FOREIGN KEY (resNo) REFERENCES ResourceTbl (resNo) ); |