

A1

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SQL DDL

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CREATE TABLE 'mydb':'bottles' (  
    'id' INT NOT NULL AUTO_INCREMENT,  
    'empty' TINYINT(1) NOT NULL,  
    'number' INT NOT NULL,  
    PRIMARY KEY ('id'))  
CREATE TABLE 'mydb':'evaluations' (  
    'id' INT NOT NULL AUTO_INCREMENT,  
    'score' VARCHAR(45) NOT NULL,  
    PRIMARY KEY ('id'))  
CREATE TABLE 'mydb':'members' (  
    'nr' INT NOT NULL AUTO_INCREMENT,  
    'address' VARCHAR(128) NULL,  
    'phone' INT NULL,  
    'email' VARCHAR(45) NULL,  
    'name' VARCHAR(45) NULL,  
    PRIMARY KEY ('nr'))  
CREATE TABLE 'mydb':'tastings' (  
    'id' INT NOT NULL AUTO_INCREMENT,  
    'date' DATE NOT NULL,  
    'location' VARCHAR(45) NULL,  
    PRIMARY KEY ('id'))  
CREATE TABLE 'mydb':'wines' (  
    'name' VARCHAR(128) NOT NULL,  
    'appellation' VARCHAR(45) NOT NULL,  
    'vintage' VARCHAR(45) NOT NULL,  
    'alcohol_degree' INT(3) NULL,  
    'country' VARCHAR(45) NULL,  
    'grape' VARCHAR(45) NULL,  
    PRIMARY KEY ('name', 'appellation', 'vintage'))
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CREATE TABLE 'mydb':'inventory' (
    'bottles_id' INT NOT NULL,
    'wines_name' VARCHAR(128) NOT NULL,
    'wines_appellation' VARCHAR(45) NOT NULL,
    'wines_vintage' VARCHAR(45) NOT NULL,
    PRIMARY KEY ('bottles_id', 'wines_name', 'wines_appellation', 'wines_vintage'),
    FOREIGN KEY ('bottles_id')
        REFERENCES 'mydb':'bottles' ('id')
    FOREIGN KEY ('wines_name' , 'wines_appellation' , 'wines_vintage')
        REFERENCES 'mydb':'wines' ('name' , 'appellation' , 'vintage' )
CREATE TABLE 'mydb':'event' (
    'evaluations_id' INT NOT NULL,
    'members_nr' INT NOT NULL,
    'tastings_id' INT NOT NULL,
    'bottles_id' INT NOT NULL,
    PRIMARY KEY ('evaluations_id', 'members_nr', 'tastings_id', 'bottles_id'),
    FOREIGN KEY ('evaluations_id')
        REFERENCES 'mydb':'evaluations' ('id')
    FOREIGN KEY ('members_nr')
        REFERENCES 'mydb':'members' ('nr')
    FOREIGN KEY ('tastings_id')
        REFERENCES 'mydb':'tastings' ('id')
    FOREIGN KEY ('bottles_id')
        REFERENCES 'mydb':'bottles' ('id'))

```