

Team33

SQL Create Table Statements

```
CREATE TABLE CUSTOMER (  
    Username VARCHAR(36) NOT NULL,  
    Password VARCHAR(20) NOT NULL,  
    Fname VARCHAR(25) NOT NULL,  
    Lname VARCHAR(40) NOT NULL,  
    Work_area_code CHAR(3) NULL,  
    Work_local_number CHAR(7) NULL,  
    Home_area_code CHAR(3) NULL,  
    Home_local_number CHAR(7) NULL,  
    Address VARCHAR(200) NULL,  
    PRIMARY KEY (Username)  
);
```

```
CREATE TABLE CLERK (  
    Username VARCHAR(16) NOT NULL,  
    Password VARCHAR(20) NOT NULL,  
    Fname VARCHAR(25) NOT NULL,  
    Lname VARCHAR(40) NOT NULL,  
    PRIMARY KEY (Username)  
);
```

```
CREATE TABLE RESERVATION (  
    Reservation_Number INT NOT NULL,
```

```

Start_date DATE NOT NULL,
End_date DATE NOT NULL,
Request_customer VARCHAR(36) NOT NULL,
Pickup_clerk VARCHAR(16) NOT NULL,
Dropoff_clerk VARCHAR(16) NOT NULL,
Pickup_creditcard_number CHAR(16) NULL,
Pickup_creditcard_expdate DATE NOT NULL,
PRIMARY KEY (Reservation_Number),
FOREIGN KEY (Request_customer)
    REFERENCES CUSTOMER (Username),
FOREIGN KEY (Pickup_clerk)
    REFERENCES CLERK (Username),
FOREIGN KEY (Dropoff_clerk)
    REFERENCES CLERK (Username)
);

```

```

CREATE TABLE TOOL (
    Tool_ID INT NOT NULL,
    Abbrdesc VARCHAR(50) NOT NULL,
    Fulldesc VARCHAR(100) NOT NULL,
    Tool_Type VARCHAR(50) NOT NULL,
    Is_sold CHAR(1) DEFAULT 'N',
    Purchase_price DECIMAL(10, 2) NOT NULL,
    Deposit DECIMAL(10, 2) NOT NULL,
    Rental DECIMAL(10, 2) NOT NULL,
    Add_clerk VARCHAR(16) NOT NULL,
    PRIMARY KEY (Tool_ID),
    FOREIGN KEY (Add_clerk)

```

```
REFERENCES CLERK (Username)
);
```

```
CREATE TABLE ACCESSORIES (
    Tool_ID INT NOT NULL,
    Accessories VARCHAR(50) NOT NULL,
    PRIMARY KEY (Tool_ID , Accessories),
    FOREIGN KEY (Tool_ID)
        REFERENCES TOOL (Tool_ID)
);
```

```
CREATE TABLE SERVICE_ORDER (
    Tool_ID INT NOT NULL,
    Start_date DATE NOT NULL,
    End_date DATE NOT NULL,
    Repair_cost DECIMAL(10,2) NOT NULL,
    PRIMARY KEY (Tool_ID, Start_date),
    FOREIGN KEY (Tool_ID) REFERENCES TOOL(Tool_ID)
);
```

```
CREATE TABLE RESERVE (
    Reservation_number INT NOT NULL,
    Tool_ID INT NOT NULL,
    PRIMARY KEY (Reservation_number , Tool_ID),
    FOREIGN KEY (Reservation_number)
        REFERENCES RESERVATION (Reservation_number),
```

FOREIGN KEY (Tool_ID)

REFERENCES TOOL (Tool_ID)

);