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## Create Database

```
CREATE DATABASE IF NOT EXISTS ERMS_TEAM49;  
USE ERMS_TEAM49;
```

## Create Tables

```
# CREATE USERS TABLE  
DROP TABLE IF EXISTS USERS;  
  
CREATE TABLE IF NOT EXISTS USERS (  
  USERNAME VARCHAR(50) NOT NULL,  
  PASSWORD VARCHAR(50) NOT NULL,  
  NAME VARCHAR(150) NOT NULL,  
  primary key (USERNAME)  
);  
  
# CREATE INDIVIDUAL_USERS TABLE  
DROP TABLE IF EXISTS INDIVIDUAL_USERS;  
  
CREATE TABLE IF NOT EXISTS INDIVIDUAL_USERS (  
  USERNAME VARCHAR(50) NOT NULL,  
  JOBTITLE VARCHAR(150) NOT NULL,  
  DATEOFHIRE DATE NOT NULL,  
  primary key (USERNAME),  
  foreign key (USERNAME)  
  REFERENCES USERS (USERNAME)  
  ON DELETE CASCADE  
  ON UPDATE CASCADE  
);  
  
# CREATE MUNICIPALITY_USERS TABLE  
DROP TABLE IF EXISTS MUNICIPALITY_USERS;  
  
CREATE TABLE IF NOT EXISTS MUNICIPALITY_USERS (  
  USERNAME VARCHAR(50) NOT NULL,  
  POPULATION INT NOT NULL,  
  primary key (USERNAME),  
  foreign key (USERNAME)  
  REFERENCES USERS (USERNAME)  
  ON DELETE CASCADE  
  ON UPDATE CASCADE  
);
```

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```
# CREATE GOVAGENCY_USERS TABLE
DROP TABLE IF EXISTS GOVAGENCY_USERS;

CREATE TABLE IF NOT EXISTS GOVAGENCY_USERS (
  USERNAME VARCHAR(50) NOT NULL,
  JURISDICTION VARCHAR(255) NOT NULL,
  primary key (USERNAME),
  foreign key (USERNAME)
  REFERENCES USERS (USERNAME)
    ON DELETE CASCADE
  ON UPDATE CASCADE
);

# CREATE COMPANY_USERS TABLE
DROP TABLE IF EXISTS COMPANY_USERS;

CREATE TABLE IF NOT EXISTS COMPANY_USERS (
  USERNAME VARCHAR(50) NOT NULL,
  LOC_OF_HQ VARCHAR(255) NOT NULL,
  primary key (USERNAME),
  foreign key (USERNAME)
  REFERENCES USERS (USERNAME)
    ON DELETE CASCADE
  ON UPDATE CASCADE
);

# CREATE INCIDENT TABLE
DROP TABLE IF EXISTS INCIDENTS;

CREATE TABLE IF NOT EXISTS INCIDENTS (
  INC_ID int NOT NULL AUTO_INCREMENT,
  USERNAME VARCHAR(50) NOT NULL,
  DESCRIPTION VARCHAR(255) NOT NULL,
  LATITUDE DECIMAL(9,6) NOT NULL,
  LONGITUDE DECIMAL(9,6) NOT NULL,
  primary key (INC_ID),
  foreign key (USERNAME)
  REFERENCES USERS (USERNAME)
    ON DELETE CASCADE
  ON UPDATE CASCADE
);

# CREATE ESF TABLE
DROP TABLE IF EXISTS ESF;

CREATE TABLE IF NOT EXISTS ESF (
  ESF_ID INT NOT NULL,
  DESCRIPTION VARCHAR(255) NOT NULL,
  primary key (ESF_ID)
);
```

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```
# CREATE COST_PER TABLE
DROP TABLE IF EXISTS COST_PER;

CREATE TABLE IF NOT EXISTS COST_PER (
COSTPER VARCHAR(50) NOT NULL,
primary key (COSTPER)
);

# CREATE RESOURCE TABLE
DROP TABLE IF EXISTS RESOURCE;

CREATE TABLE IF NOT EXISTS RESOURCE (
ID int NOT NULL AUTO_INCREMENT,
USERNAME VARCHAR(50) NOT NULL,
NAME VARCHAR(50) NOT NULL,
P_ESF INT,
M_NAME VARCHAR(50) NULL, #MODEL NAME
AMOUNT DECIMAL NOT NULL,
COST_PER VARCHAR(50) NOT NULL,
STATUS VARCHAR(255) NOT NULL,
DATE_AV DATE NOT NULL, # DATE AVAILABLE
LATITUDE DECIMAL(9,6) NOT NULL,
LONGITUDE DECIMAL(9,6) NOT NULL,
primary key (ID),
foreign key (USERNAME)
REFERENCES USERS (USERNAME)
    ON DELETE CASCADE
ON UPDATE CASCADE,
foreign key (P_ESF)
REFERENCES ESF (ESF_ID)
    ON DELETE CASCADE
ON UPDATE CASCADE,
foreign key (COST_PER)
REFERENCES COST_PER (COSTPER)
    ON DELETE CASCADE
ON UPDATE CASCADE
);
```

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```
# CREATE RESOURCE_CAPABILITY TABLE
DROP TABLE IF EXISTS RESOURCE_CAPABILITY;

CREATE TABLE IF NOT EXISTS RESOURCE_CAPABILITY (
RES_ID INT NOT NULL,
CAPABILITY VARCHAR(255) NOT NULL,
primary key (RES_ID,CAPABILITY),
foreign key (RES_ID)
REFERENCES RESOURCE(ID)
ON DELETE CASCADE
ON UPDATE CASCADE
);
```

```
# CREATE ADDITIONAL_ESF TABLE
DROP TABLE IF EXISTS ADDITIONAL_ESF;

CREATE TABLE IF NOT EXISTS ADDITIONAL_ESF (
RES_ID INT NOT NULL,
ESF_ID INT NOT NULL,
primary key (RES_ID,ESF_ID),
foreign key (RES_ID)
REFERENCES RESOURCE(ID)
ON DELETE CASCADE
ON UPDATE CASCADE,
foreign key (ESF_ID)
REFERENCES ESF(ESF_ID)
ON DELETE CASCADE
ON UPDATE CASCADE
);
```

```
# CREATE ADDITIONAL_ESF TABLE
DROP TABLE IF EXISTS ADDITIONAL_ESF;

CREATE TABLE IF NOT EXISTS ADDITIONAL_ESF (
RES_ID INT NOT NULL,
ESF_ID INT NOT NULL,
primary key (RES_ID,ESF_ID),
foreign key (RES_ID)
REFERENCES RESOURCE(ID)
ON DELETE CASCADE
ON UPDATE CASCADE,
foreign key (ESF_ID)
REFERENCES ESF(ESF_ID)
ON DELETE CASCADE
ON UPDATE CASCADE
);
```

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```
# CREATE REQUESTS TABLE
DROP TABLE IF EXISTS REQUESTS;

CREATE TABLE IF NOT EXISTS REQUESTS (
  RES_ID INT NOT NULL,
  INC_ID INT NOT NULL,
  REQ_DATE DATE NOT NULL,
  RET_DATE DATE NOT NULL,
  STATUS VARCHAR(25),
  APP_DATE DATE,
  primary key (RES_ID, INC_ID),
  foreign key (RES_ID)
  REFERENCES RESOURCE(ID)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
  foreign key (INC_ID)
  REFERENCES INCIDENTS(INC_ID)
    ON DELETE CASCADE
    ON UPDATE CASCADE
);

# CREATE REP_REQUESTS TABLE
DROP TABLE IF EXISTS REP_REQUESTS;

CREATE TABLE IF NOT EXISTS REP_REQUESTS (
  RES_ID INT NOT NULL,
  START_DATE DATE NOT NULL,
  READY_DATE DATE NOT NULL,
  primary key (RES_ID),
  foreign key (RES_ID)
  REFERENCES RESOURCE(ID)
    ON DELETE CASCADE
    ON UPDATE CASCADE
);
```