```
use farmar_crop_prediction_system;

CREATE TABLE farmer (
   id INT PRIMARY KEY AUTO_INCREMENT,
   name VARCHAR(100),
   email VARCHAR(100) UNIQUE,
   address VARCHAR(255),
   mobile_no VARCHAR(15)
);

INSERT INTO farmer (name, email, address, mobile_no)
VALUES ('John Doe', 'john.doe@example.com', '123 Green St, Farmingville', '1234567890');

SELECT * FROM farmer;

CREATE TABLE crop (
   id INT PRIMARY KEY AUTO_INCREMENT,
   planting_date DATE,
   harvest_date DATE,
   farmer_id INT,
   crop_name VARCHAR(100),
   crop_type VARCHAR(100),
   FOREIGN KEY (farmer_id) REFERENCES farmer(id)
);

INSERT INTO crop (planting_date, harvest_date, farmer_id, crop_name, crop_type)
VALUES ('2024-03-01', '2024-06-30', 1, 'Wheat', 'Grain');

SELECT * FROM crop;
```

```
CREATE TABLE weather (
   weather_id INT PRIMARY KEY AUTO_INCREMENT,
   crop_id INT,
   date DATE,
   temperature DECIMAL(5,2),
   FOREIGN KEY (crop_id) REFERENCES crop(id)
);

INSERT INTO weather (crop_id, date, temperature)
VALUES (1, '2024-03-01', 25.75);

SELECT * FROM weather;



CREATE TABLE Disease_prediction (
   pre_id INT PRIMARY KEY AUTO_INCREMENT,
   pre_date DATE,
   crop_id INT,
   pre_disease_id INT,
   FOREIGN KEY (crop_id) REFERENCES crop(id)
);

INSERT INTO Disease_prediction (pre_date, crop_id, pre_disease_id)
VALUES ('2024-05-15', 1, 101);

SELECT * FROM Disease_prediction;
```

```
CREATE TABLE disease (
   id INT PRIMARY KEY AUTO_INCREMENT,
   name VARCHAR(100),
   symptoms TEXT
);

INSERT INTO disease (name, symptoms)
VALUES ('Blight', 'Yellowing leaves, brown spots, wilting');

SELECT * FROM disease;

CREATE TABLE soil (
   id INT PRIMARY KEY AUTO_INCREMENT,
   type VARCHAR(100),
   crop_id INT,
   nutrient_level VARCHAR(100),
   FOREIGN KEY (crop_id) REFERENCES crop(id)
);

INSERT INTO soil (type, crop_id, nutrient_level)
VALUES ('Loamy', 1, 'High');

SELECT * FROM soil;
```