-- Table 1: Industries

CREATE TABLE Industries (

industry\_id INT AUTO\_INCREMENT PRIMARY KEY,

industry\_name VARCHAR(255) NOT NULL

);

-- Table 2: ThreatTypes

CREATE TABLE ThreatTypes (

threat\_type\_id INT AUTO\_INCREMENT PRIMARY KEY,

threat\_name VARCHAR(255) NOT NULL,

description TEXT

);

-- Table 3: Countermeasures

CREATE TABLE Countermeasures (

countermeasure\_id INT AUTO\_INCREMENT PRIMARY KEY,

countermeasure\_name VARCHAR(255) NOT NULL,

description TEXT

);

-- Table 4: Users

CREATE TABLE Users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(100) NOT NULL,

role VARCHAR(100)

);

-- Table 5: Threats

CREATE TABLE Threats (

threat\_id INT AUTO\_INCREMENT PRIMARY KEY,

threat\_type\_id INT,

industry\_id INT,

countermeasure\_id INT,

user\_id INT,

threat\_name VARCHAR(255) NOT NULL,

severity\_level ENUM('Low', 'Medium', 'High', 'Critical') NOT NULL,

location VARCHAR(255),

timestamp DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (threat\_type\_id) REFERENCES ThreatTypes(threat\_type\_id),

FOREIGN KEY (industry\_id) REFERENCES Industries(industry\_id),

FOREIGN KEY (countermeasure\_id) REFERENCES Countermeasures(countermeasure\_id),

FOREIGN KEY (user\_id) REFERENCES Users(user\_id)

);

-- Table 6: Alerts

CREATE TABLE Alerts (

alert\_id INT AUTO\_INCREMENT PRIMARY KEY,

threat\_id INT,

alert\_message TEXT,

alert\_timestamp DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (threat\_id) REFERENCES Threats(threat\_id)

);

-- Table 7: Logs

CREATE TABLE Logs (

log\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT,

action VARCHAR(255),

action\_timestamp DATETIME DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (user\_id) REFERENCES Users(user\_id)

);