--Location Table

create table Location(

LocationID int NOT NULL IDENTITY(1,1),

City varchar(50),

State varchar(50),

LocationXCoordinate float,

LocationYCoordinate float

Primary Key (LocationID)

)

--Earthquake Table

create table Earthquake (

EarthquakeID int NOT NULL IDENTITY(1,1),

LocationID int NOT NULL,

OccurenceDate Date,

QuakeIntensity decimal(2,2),

EpicXCoordinate float,

EpicYCoordinate float

PRIMARY KEY (EarthquakeID)

FOREIGN KEY (LocationID) REFERENCES Location(LocationID)

)

--Population Table

Create table Population (

LocationID int NOT NULL,

Child bigint,

Adult bigint,

Old bigint,

Year\_date Date

FOREIGN KEY (LocationID) REFERENCES Location(LocationID)

)

--NGO

create table NGO (

NgoID int NOT NULL IDENTITY(1,1),

NgoName varchar(100),

TotalVolunteer int,

LocationID int NOT NULL,

PRIMARY KEY (NgoID),

FOREIGN KEY (LocationID) REFERENCES Location(LocationID)

)

--Role

Create table Role(

RoleID int NOT NULL IDENTITY(1,1),

RoleName varchar(100),

PRIMARY KEY(RoleID)

)

--NGO Volunteers

create table NgoVolunteer (

VolunteerID int NOT NULL IDENTITY(1,1),

NgoID int NOT NULL,

Name varchar(100),

DoB date,

RoleID int,

PRIMARY KEY (VolunteerID),

FOREIGN KEY (RoleID) REFERENCES Role(RoleID),

FOREIGN KEY (NgoID) REFERENCES Ngo(NgoID)

)

--COMPANY

create Table Company (

CompanyID int NOT NULL IDENTITY(1,1),

LocationID int NOT NULL,

CompanyName varchar(100),

TotalAnalyst int,

TotalGroundStaff int,

PRIMARY KEY (CompanyID),

FOREIGN KEY (LocationID) References Location(LocationID) ON DELETE CASCADE

)

--Warehouse

create table Warehouse (

WarehouseID int NOT NULL IDENTITY(1,1),

WarehouseName varchar(100),

LocationID int NOT NULL,

PRIMARY KEY (WarehouseID),

FOREIGN KEY (LocationID) References Location(LocationID) ON DELETE CASCADE

)

--Hospital

create table Hospital(

HospitalID int NOT NULL IDENTITY(1,1),

LocationID int NOT NULL,

HospitalName varchar(100),

HospitalBed int,

TotalDoctor int,

TotalNurse int,

PRIMARY KEY (HospitalID),

FOREIGN KEY (LocationID) References Location(LocationID) ON DELETE CASCADE

)

--- Organization

create table Organization(

OrganizationID int NOT NULL IDENTITY(1,1),

LocationID int NOT NULL,

OrganizationName varchar(50),

Website varchar(100),

PRIMARY KEY (OrganizationID),

FOREIGN KEY (LocationID) References Location(LocationID) ON DELETE CASCADE

)

--EMPLOYEE

create table Employee (

EmployeeID int NOT NULL IDENTITY(1,1),

Name varchar(100),

Dob Date,

RoleID int,

CompanyID int,

PRIMARY KEY (EmployeeID),

FOREIGN KEY (CompanyID) References Company(CompanyID) ON DELETE CASCADE

)

--Analysis Table

create table Analysis (

AnalysisID int NOT NULL IDENTITY(1,1),

LocationID int NOT NULL,

Water bigint,

Rice bigint,

Tent bigint,

FirstAid bigint,

HospitalBed bigint,

GenerateDate Date,

PRIMARY KEY (AnalysisID),

FOREIGN KEY (LocationID) References Location(LocationID) ON DELETE CASCADE

)

---RESOURCE ALLOCATED

create table ResourceAllocated (

ResourceID int NOT NULL IDENTITY(1,1),

AnalysisID int NOT NULL,

WarehouseID int NOT NULL,

Water bigint,

Rice bigint,

Tent bigint,

FirstAid bigint,

HospitalBed bigint,

GenerateDate date,

TrackingID int NOT NULL,

PRIMARY KEY (ResourceID),

FOREIGN KEY (AnalysisID) References Analysis(AnalysisID) ON DELETE CASCADE,

FOREIGN KEY (WarehouseID) References Warehouse(WarehouseID)

)

---Message

create table Message (

MessageID int,

PersonID int,

ComapanyID int,

ChildCasualty int,

YouthCasualty int,

ElderlyCasualty int,

ModeratelyInjured int,

Severelyinjured int,

LocationID int NOT NULL,

EarthquakeID int NOT NULL,

enterprise varchar(50),

PRIMARY KEY (MessageID),

FOREIGN KEY (LocationID) References Location(LocationID) ON DELETE CASCADE,

FOREIGN KEY (EarthquakeID) References Earthquake(EarthquakeID)

)

---TRACKING

create table Tracking (

TrackingID int NOT NULL IDENTITY(1,1),

ResourceID int NOT NULL,

PRIMARY KEY (TrackingID),

FOREIGN KEY (ResourceID) References ResourceAllocated(ResourceID)

)