```sql
CREATE DATABASE Virtualartgallery;

use Virtualartgallery;


CREATE TABLE Artist (

    artistID INT PRIMARY KEY,

    name VARCHAR(50) NOT NULL,

    biography VARCHAR(100) NOT NULL,

    birthDate DATE NOT NULL,

    nationality VARCHAR(100) NOT NULL,

    website VARCHAR(100),

    contactinformation VARCHAR(100)

    );




CREATE TABLE Artwork(

        artworkID INT Auto_increment PRIMARY KEY,

        title VARCHAR (50) NOT NULL,

        description VARCHAR (200),

        creationDate date NOT NULL,

        medium VARCHAR (100) NOT NULL,

        imageURL VARCHAR (100) NOT NULL UNIQUE,

        artistID int,

        FOREIGN KEY (artistID) REFERENCES artist(artistID)

        ON DELETE SET NULL

ON UPDATE CASCADE

);


CREATE TABLE User (

    userID INT PRIMARY KEY,

    username VARCHAR(100) NOT NULL UNIQUE,

    password VARCHAR(100) NOT NULL,

    email VARCHAR(100)  UNIQUE,
```

```sql
    firstName VARCHAR(100) ,

    lastName VARCHAR(100) ,

    dateOfBirth DATE,

    ProfilePicture VARCHAR(200)


    );



create table Gallery (

    galleryID INT auto_increment PRIMARY KEY,

    name varchar(100) NOT NULL,

    description varchar(200) ,

    location varchar(100) ,

    curator INT ,

    openingHours varchar(100) ,

    FOREIGN KEY (curator) REFERENCES artist(artistID)
ON DELETE SET NULL
ON UPDATE CASCADE

    ) ;



CREATE TABLE userfavoriteartworks (

    userID INT,

    artworkID INT,

    CONSTRAINT PK_User_Favorite_Artwork PRIMARY KEY (userID, artworkID),
FOREIGN KEY (userID) REFERENCES User(userID),

    CONSTRAINT FK_UserFavoriteArtworks_Artwork
FOREIGN KEY (artworkID)
REFERENCES artwork(artworkID)
ON DELETE CASCADE
);



CREATE TABLE ArtworkGallery (
```

```sql
    artworkID INT,

    galleryID INT,

    PRIMARY KEY (artworkID, galleryID),

    FOREIGN KEY (artworkID) REFERENCES Artwork(artworkID) ON DELETE CASCADE,

    FOREIGN KEY (galleryID) REFERENCES Gallery(galleryID)

);
```

INSERT INTO Artist VALUES

(1,'Leonardo da Vinci', 'Renaissance polymath and painter.', '1452-04-15', 'Italian', 'https://leonardo.com', 'leonardo@art.com'),

(2,'Pablo Picasso', 'Pioneer of Cubism and modern art.', '1881-10-25', 'Spanish', 'https://picasso.com', 'picasso@art.com'),

(3,'Vincent van Gogh', 'Post-Impressionist painter.', '1853-03-30', 'Dutch', 'https://vangogh.com', 'vangogh@art.com'),

(4,'Claude Monet', 'Leader of French Impressionism.', '1840-11-14', 'French', 'https://monet.com', 'monet@art.com'),

(5,'Frida Kahlo', 'Mexican painter known for self-portraits.', '1907-07-06', 'Mexican', 'https://frida.com', 'frida@art.com'),

(6,'Andy Warhol', 'Pop Art pioneer and cultural icon.', '1928-08-06', 'American', 'https://warhol.com', 'warhol@art.com'),

(7,'Salvador Dalí', 'Surrealist artist with dream-like visuals.', '1904-05-11', 'Spanish', 'https://dali.com', 'dali@art.com'),

(8,'Georgia O'Keeffe', 'Modernist known for floral paintings.', '1887-11-15', 'American', 'https://okeeffe.com', 'okeeffe@art.com'),

(9,'Jackson Pollock', 'Abstract expressionist with drip style.', '1912-01-28', 'American', 'https://pollock.com', 'pollock@art.com'),

(10,'Michelangelo', 'Renaissance sculptor and painter.', '1475-03-06', 'Italian', 'https://michelangelo.com', 'michelangelo@art.com');

INSERT INTO Artwork Values

(1,'Mona Lisa', 'Portrait of a woman', '1503-06-15', 'Oil on panel', 'https://art.com/mona_lisa.jpg',1),

(2,'Guernica', 'Depiction of war', '1937-05-01', 'Oil on canvas', 'https://art.com/guernica.jpg',2),

(3,'Starry Night', 'Night sky over Saint-Rémy', '1889-06-01', 'Oil on canvas', 'https://art.com/starry_night.jpg',3),

(4,'Water Lilies', 'Series of lily pond paintings', '1919-01-01', 'Oil on canvas', 'https://art.com/water_lilies.jpg',4),

(5,'The Two Fridas', 'Self-portrait of Frida Kahlo', '1939-01-01', 'Oil on canvas', 'https://art.com/two_fridas.jpg',5),

(6,'Campbell's Soup Cans', 'Pop Art with soup cans', '1962-01-01', 'Synthetic polymer paint', 'https://art.com/soup_cans.jpg',6),

(7,'The Persistence of Memory', 'Melting clocks', '1931-01-01', 'Oil on canvas', 'https://art.com/memory.jpg',7),

(8,'Red Canna', 'Close-up of a flower', '1924-01-01', 'Oil on canvas', 'https://art.com/red_canna.jpg',8),

(9, 'Number 1 (Lavender Mist)', 'Drip painting', '1950-01-01', 'Oil and enamel on canvas', 'https://art.com/lavender_mist.jpg',9),

(10,'David', 'Marble sculpture of David', '1504-01-01', 'Marble', 'https://art.com/david.jpg',10);

INSERT INTO User VALUES

(101,'artlover1', 'pass123', 'user1@example.com', 'Alice', 'Brown', '1990-05-12', 'https://profile.com/alice.jpg'),

(102,'canvasking', 'king456', 'user2@example.com', 'Bob', 'Smith', '1985-07-23', 'https://profile.com/bob.jpg'),

(103,'paintpro', 'art789', 'user3@example.com', 'Charlie', 'Davis', '1995-09-10', 'https://profile.com/charlie.jpg'),

(104,'museummaster', 'master999', 'user4@example.com', 'Dana', 'Jones', '2000-02-14', 'https://profile.com/dana.jpg'),

(105,'galleryguru', 'guru321', 'user5@example.com', 'Eve', 'Miller', '1988-11-30', 'https://profile.com/eve.jpg'),

(106,'artcollector', 'collect456', 'user6@example.com', 'Frank', 'Clark', '1975-04-18', 'https://profile.com/frank.jpg'),

(107,'modernist', 'mod999', 'user7@example.com', 'Grace', 'Wilson', '1992-08-22', 'https://profile.com/grace.jpg'),

(108,'colorfan', 'fan123', 'user8@example.com', 'Henry', 'Lee', '1980-06-05', 'https://profile.com/henry.jpg'),

(109,'surrealist', 'dream456', 'user9@example.com', 'Ivy', 'Turner', '1998-12-03', 'https://profile.com/ivy.jpg'),

(110,'classicart', 'class123', 'user10@example.com', 'Jack', 'Wright', '1983-03-21', 'https://profile.com/jack.jpg');

INSERT INTO Gallery VALUES

(31,'Modern Art Space', 'A gallery for modern art', 'New York', 1,'10 AM - 6 PM'),

(32,'The Renaissance Hub', 'Classical artworks from the Renaissance', 'Florence', 2,'9 AM - 5 PM'),

(33,'Impressionist Garden', 'Collection of impressionist paintings', 'Paris', 3, '11 AM - 7 PM'),

(34,'Surrealist Dreams', 'Surrealist masterpieces', 'Madrid', 4,'10 AM - 8 PM'),

(35,'Abstract Expressions', 'Abstract expressionist works', 'Los Angeles', 5,'9 AM - 6 PM'),

(36,'Pop Art Palace', 'Showcase of pop art', 'Pittsburgh', 6,'10 AM - 5 PM'),

(37,'The Sculpture Court', 'Statues and sculptural art', 'Rome', 7,'8 AM - 4 PM'),

(38,'Nature's Canvas', 'Natural and floral themes', 'Santa Fe', 8,'12 PM - 8 PM'),

(39,'War and Peace', 'Artworks depicting conflict and resolution', 'Berlin',9, '11 AM - 9 PM'),

(40,'Colors of Mexico', 'Mexican cultural and historical art', 'Mexico City', 10,'10 AM - 6 PM');

INSERT INTO userfavoriteartworks VALUES

(101, 1),

(102, 2),

(103, 3),

(104, 4),

(105, 5),

(106, 6),

(107, 7),

(108, 8),

(109, 9),

(110, 10);

INSERT INTO ArtworkGallery VALUES

(1, 32),

(2, 39),

(3, 33),

(4, 33),

(5, 40),

(6, 36),

(7, 34),

(8, 38),

(9, 35),

(10, 37);

select * from artwork;

select * from gallery;

select * from userfavoriteartworks;