

ONLINE VIDEO GAMING:

1.CREATE TABLE Account (

AcctName VARCHAR(50) PRIMARY KEY,

Password VARCHAR(100),

LastSignedOn DATE,

SbscrbrName VARCHAR(100),

SbscrbrAddress VARCHAR(255),

SbscrbrEmail VARCHAR(100),

SbscrbrPhone VARCHAR(15),

AcctCreatedOn DATE

);

Insertion:

INSERT INTO Account VALUES

('john_doe', 'pass123', '2024-09-01', 'John Doe', '123 Maple St', 'john.doe@mail.com',
'1234567890', '2020-01-10'),

('jane_smith', 'pass456', '2024-08-29', 'Jane Smith', '456 Oak Ave', 'jane.smith@mail.com',
'0987654321', '2019-07-18'),

('charles_lee', 'pass789', '2024-07-12', 'Charles Lee', '789 Pine Ln', 'charles.lee@mail.com',
'2345678901', '2021-03-25'),

('lucy_gray', 'pass101', '2024-09-10', 'Lucy Gray', '101 Birch Blvd', 'lucy.gray@mail.com',
'3456789012', '2022-04-15'),

('mark_taylor', 'pass102', '2024-08-15', 'Mark Taylor', '202 Cedar Dr', 'mark.taylor@mail.com',
'4567890123', '2023-02-20'),

('emily_clark', 'pass103', '2024-09-05', 'Emily Clark', '303 Elm St', 'emily.clark@mail.com',
'5678901234', '2023-06-30');

2. Region

CREATE TABLE Region (

RegionName VARCHAR(50) PRIMARY KEY,

Climate VARCHAR(50),

Precipitation VARCHAR(50),

Foliage VARCHAR(50)

);

Insertions:

```
INSERT INTO Region VALUES
('Enchanted Forest', 'Temperate', 'High', 'Dense'),
('Desert Wastes', 'Arid', 'Low', 'Sparse'),
('Mountain Peaks', 'Cold', 'Snow', 'Sparse'),
('Sunny Meadows', 'Warm', 'Moderate', 'Moderate'),
('Volcanic Fields', 'Hot', 'None', 'None'),
('Swamp Lands', 'Humid', 'Very High', 'Thick');
```

3. Item

```
CREATE TABLE Item (
    ItemName VARCHAR(50) PRIMARY KEY,
    ItemType VARCHAR(50),
    ItemDamage INT
);
```

Insertions:

```
INSERT INTO Item VALUES
('Sword of Destiny', 'Weapon', 50),
('Healing Potion', 'Consumable', 0),
('Shield of Valor', 'Armor', 0),
('Fire Staff', 'Weapon', 40),
('Magic Ring', 'Accessory', 10),
('Bow of Eternity', 'Weapon', 30);
```

4. Creep

```
CREATE TABLE Creep (
    CreepName VARCHAR(50) PRIMARY KEY,
    HitPoints INT,
    Mana INT,
    Attack INT
);
```

Insertions:

```
INSERT INTO Creep VALUES
```

```
('Goblin', 100, 30, 15),
```

```
('Dragon', 1000, 200, 100),
```

```
('Orc', 300, 50, 25),
```

```
('Troll', 500, 20, 30),
```

```
('Skeleton', 80, 0, 10),
```

```
('Vampire', 200, 60, 35);
```

5. Character

```
CREATE TABLE PlayerCharacter (
```

```
    CharName VARCHAR(50) PRIMARY KEY,
```

```
    Level INT,
```

```
    ExpPoints INT,
```

```
    Type VARCHAR(50),
```

```
    MaxHitPoints INT,
```

```
    MaxMana INT,
```

```
    CurrHitPoints INT,
```

```
    CurrMana INT,
```

```
    LastPlayed DATE,
```

```
    CreatedOn DATE,
```

```
    AcctName VARCHAR(50),
```

```
    FOREIGN KEY (AcctName) REFERENCES Account(AcctName)
```

```
);
```

Insertions:

```
INSERT INTO Character VALUES
```

```
('Knight_Arthur', 15, 20000, 'Warrior', 150, 50, 120, 30, '2024-09-10', '2022-05-20', 'john_doe'),
```

```
('Mage_Lucius', 10, 15000, 'Mage', 100, 200, 80, 150, '2024-08-25', '2021-02-15', 'jane_smith'),
```

```
('Rogue_Sharp', 12, 18000, 'Rogue', 120, 60, 110, 40, '2024-09-09', '2021-09-10', 'charles_lee'),
```

```
('Paladin_Lance', 20, 25000, 'Paladin', 200, 100, 180, 90, '2024-08-20', '2020-08-05', 'lucy_gray'),
```

```
('Hunter_Elise', 8, 10000, 'Hunter', 110, 30, 90, 20, '2024-07-30', '2023-01-10', 'mark_taylor'),
```

```
('Sorcerer_Ana', 14, 22000, 'Sorcerer', 130, 250, 120, 200, '2024-09-08', '2022-11-25',  
'emily_clark');
```

6. ItemInstantiation

```
CREATE TABLE ItemInstantiation (  
    IDNum INT PRIMARY KEY,  
    Modifier VARCHAR(50),  
    WhenCreated DATE,  
    CharName VARCHAR(50),  
    ItemName VARCHAR(50),  
    FOREIGN KEY (CharName) REFERENCES PlayerCharacter(CharName),  
    FOREIGN KEY (ItemName) REFERENCES Item(ItemName)  
);
```

Insertions:

```
INSERT INTO ItemInstantiation VALUES  
(1001, 'Fire Enchantment', '2024-09-05', 'Knight_Arthur', 'Sword of Destiny'),  
(1002, 'Healing', '2024-08-12', 'Mage_Lucius', 'Healing Potion'),  
(1003, 'Defense Buff', '2024-07-30', 'Paladin_Lance', 'Shield of Valor'),  
(1004, 'Flame Power', '2024-09-01', 'Sorcerer_Ana', 'Fire Staff'),  
(1005, 'Increased Speed', '2024-08-05', 'Rogue_Sharp', 'Magic Ring'),  
(1006, 'Accuracy Boost', '2024-09-09', 'Hunter_Elise', 'Bow of Eternity');
```

7. CreepInstantiation

```
CREATE TABLE CreepInstantiation (  
    IDNum INT PRIMARY KEY,  
    CharName VARCHAR(50),  
    CreepName VARCHAR(50),  
    FOREIGN KEY (CharName) REFERENCES PlayerCharacter(CharName),  
    FOREIGN KEY (CreepName) REFERENCES Creep(CreepName)  
);
```

Insertions:

INSERT INTO CreepInstantiation VALUES

(2001, 'Knight_Arthur', 'Goblin'),

(2002, 'Mage_Lucius', 'Dragon'),

(2003, 'Paladin_Lance', 'Orc'),

(2004, 'Hunter_Elise', 'Troll'),

(2005, 'Rogue_Sharp', 'Skeleton'),

(2006, 'Sorcerer_Ana', 'Vampire');
