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CREATE TABLE manufacturer (
    manu_ID int NOT NULL,
    manu_name varchar(45) NOT NULL,
    manu_support_number varchar(45) NOT NULL,
    PRIMARY KEY (manu_ID)
);

INSERT INTO manufacturer VALUES (1251, 'SCHWINN', '1234567890'),
(1252, 'NordicTrack', '0987654321');

CREATE TABLE membership_levels (
    level_ID int NOT NULL,
    membership_level varchar(45) NOT NULL,
    PRIMARY KEY (level_ID)
);

INSERT INTO membership_levels VALUES (1, 'Beginner'), (2, 'Amateur'), (3, 'Pro');

CREATE TABLE gym_services (
    servID int NOT NULL,
    serv_type varchar(45) NOT NULL,
    membership_level_id int DEFAULT NULL,
    additional_service_fee varchar(45) DEFAULT NULL,
    PRIMARY KEY (servID),
    CONSTRAINT membership_level FOREIGN KEY (membership_level_id) REFERENCES
membership_levels (level_ID)
);

INSERT INTO gym_services VALUES (1, 'Yoga', 1, '25'), (2, 'Meditation', 2, '10'),
(3, 'Zumba', 3, '0');

CREATE TABLE gym_location (
    gym_ID int NOT NULL,
    gym_location varchar(45) NOT NULL,
    PRIMARY KEY (gym_ID)
);

INSERT INTO gym_location VALUES (4581, 'Vichy Road'), (4582, 'Elm Street');

CREATE TABLE gym_equipment (
    equip_ID int NOT NULL,
    equip_type varchar(45) NOT NULL,
    equip_manu_ID int NOT NULL,
    equip_purchase_date date NOT NULL,
    equip_warranty_status varchar(45) NOT NULL,
    equip_warranty_date date NOT NULL,
    PRIMARY KEY (equip_ID),
    CONSTRAINT equip_manufacturer FOREIGN KEY (equip_manu_ID) REFERENCES manufacturer
(manu_ID)
);

INSERT INTO gym_equipment VALUES (1, 'Steam', 1251, '2022-04-04', 'ACTIVE', '2025-04-
04'), (2, 'Sauna', 1252, '2022-06-06', 'ACTIVE', '2025-04-04');

CREATE TABLE equipment_location (
    equip_location_ID int NOT NULL,
    equip_ID int DEFAULT NULL,
    gym_location int DEFAULT NULL,
    PRIMARY KEY (equip_location_ID),

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    CONSTRAINT equipment_reference FOREIGN KEY (equip_ID) REFERENCES gym_equipment
(equip_ID),
    CONSTRAINT gym_location_reference FOREIGN KEY (gym_location) REFERENCES
gym_location (gym_ID)
);

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INSERT INTO equipment_location VALUES (1,1,4581),(2,2,4582);

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CREATE TABLE service_location (
    serv_location_ID int NOT NULL,
    serv_ID int DEFAULT NULL,
    gym_location int DEFAULT NULL,
    room_number varchar(45) DEFAULT NULL,
    PRIMARY KEY (serv_location_ID),
    CONSTRAINT location FOREIGN KEY (gym_location) REFERENCES gym_location (gym_ID),
    CONSTRAINT serviceID FOREIGN KEY (serv_ID) REFERENCES gym_services (servID)
);

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INSERT INTO service_location VALUES (1,1,4581,'1'),(2,2,4582,'2');

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CREATE TABLE gym_members (
    mem_ID int NOT NULL,
    mem_name varchar(20) NOT NULL,
    mem_address varchar(255) DEFAULT NULL,
    membership_level int NOT NULL,
    membership_standing varchar(45) NOT NULL,
    home_gym int NOT NULL,
    balance_amount varchar(45) DEFAULT NULL,
    billing_date date DEFAULT NULL,
    age varchar(45) DEFAULT NULL,
    birthdate date DEFAULT NULL,
    last_used date DEFAULT NULL,
    last_used_location int DEFAULT NULL,
    monthly_billing_amount varchar(45) DEFAULT NULL,
    PRIMARY KEY (mem_ID),
    CONSTRAINT home_gym_location FOREIGN KEY (home_gym) REFERENCES gym_location
(gym_ID),
    CONSTRAINT last_used_location FOREIGN KEY (last_used_location) REFERENCES
gym_location (gym_ID),
    CONSTRAINT member_level FOREIGN KEY (membership_level) REFERENCES
membership_levels (level_ID)
);

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INSERT INTO gym_members VALUES (1,'Aneesh','Vichy',1,'GOOD',4581,' 10','2022-09-
09','35','1987-09-09','2022-10-02',4581,'50'),
(2,'Akshya','North',1,'GOOD',4582,'15','2022-03-03','20','2022-03-03','2022-10-
01',4582,'50');

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