

```
DROP TABLE IF EXISTS BOOKING;
DROP TABLE IF EXISTS CUSTOMER;
DROP TABLE IF EXISTS AGENT;
```

```
CREATE TABLE AGENT
```

```
(
    AGENTID SERIAL PRIMARY KEY,
    USERNAME VARCHAR(20) NOT NULL UNIQUE,
    FIRSTNAME VARCHAR(50) NOT NULL,
    LASTNAME VARCHAR(50) NOT NULL,
    PASSWORD VARCHAR(20) NOT NULL
);
```

```
INSERT INTO AGENT (USERNAME, FIRSTNAME, LASTNAME, PASSWORD) VALUES
('-', 'N/A', '', '111');
INSERT INTO AGENT (USERNAME, FIRSTNAME, LASTNAME, PASSWORD) VALUES
('novak', 'Novak', 'Djokovic', '222');
INSERT INTO AGENT (USERNAME, FIRSTNAME, LASTNAME, PASSWORD) VALUES
('jeff', 'Jeff', 'Alexander', '333');
INSERT INTO AGENT (USERNAME, FIRSTNAME, LASTNAME, PASSWORD) VALUES
('marie', 'Mariana', 'Johnson', '444');
```

```
CREATE TABLE CUSTOMER
```

```
(
    EMAIL VARCHAR(50) PRIMARY KEY,
    FIRSTNAME VARCHAR(50) NOT NULL,
    LASTNAME VARCHAR(50) NOT NULL
);
```

```
INSERT INTO CUSTOMER (EMAIL, FIRSTNAME, LASTNAME) VALUES
('bobsmith11@gmail.com', 'Bob', 'Smith');
INSERT INTO CUSTOMER (EMAIL, FIRSTNAME, LASTNAME) VALUES
('abrown87@outlook.com', 'Anthony', 'Brown');
INSERT INTO CUSTOMER (EMAIL, FIRSTNAME, LASTNAME) VALUES
('ruby.m5@gmail.com', 'Ruby', 'Miller');
INSERT INTO CUSTOMER (EMAIL, FIRSTNAME, LASTNAME) VALUES
('woodp88@yahoo.com', 'Peter', 'Wood');
INSERT INTO CUSTOMER (EMAIL, FIRSTNAME, LASTNAME) VALUES
('m.clark12@gmail.com', 'Mia', 'Clark');
INSERT INTO CUSTOMER (EMAIL, FIRSTNAME, LASTNAME) VALUES
('jamie_ol@gmail.com', 'Jamie', 'Oliver');
```

```
CREATE TABLE BOOKING
```

```
(
    BOOKING_NO SERIAL PRIMARY KEY,
    CUSTOMER VARCHAR(50) NOT NULL REFERENCES CUSTOMER,
    PERFORMANCE VARCHAR(100) NOT NULL,
    PERFORMANCE_DATE DATE NOT NULL,
    BOOKED_BY INTEGER NOT NULL REFERENCES AGENT,
    INSTRUCTION VARCHAR(200)
);
```

```
INSERT INTO BOOKING (CUSTOMER, PERFORMANCE, PERFORMANCE_DATE, BOOKED_BY, INSTRUCTION)
values ('bobsmith11@gmail.com', 'The Lion King', '05/06/2021', 2, 'I'd like to book 3
additional seats');
INSERT INTO BOOKING (CUSTOMER, PERFORMANCE, PERFORMANCE_DATE, BOOKED_BY, INSTRUCTION)
values ('abrown87@outlook.com', 'Romeo & Juliet', '11/07/2021', 4, 'Please cancel 1
seat from my booking');
INSERT INTO BOOKING (CUSTOMER, PERFORMANCE, PERFORMANCE_DATE, BOOKED_BY, INSTRUCTION)
```

```
values ('ruby.m5@gmail.com','Death of a Salesman','27/06/2021',2,'I want to add
meals to my booking');
INSERT INTO BOOKING (CUSTOMER,PERFORMANCE,PERFORMANCE_DATE,BOOKED_BY,INSTRUCTION)
values ('woodp88@yahoo.com','The Lion King','05/06/2021',3,'Can you please waitlist
4 seats?');
INSERT INTO BOOKING (CUSTOMER,PERFORMANCE,PERFORMANCE_DATE,BOOKED_BY,INSTRUCTION)
values ('m.clark12@gmail.com','Disney''s Frozen','18/07/2021',2,'Please upgrade my
seats to Box Seats');
INSERT INTO BOOKING (CUSTOMER,PERFORMANCE,PERFORMANCE_DATE,BOOKED_BY,INSTRUCTION)
values ('jamie_ol@gmail.com','Julius Caesar','07/08/2021',1,'');

COMMIT;

CREATE FUNCTION USERNAME_TO_ID (IN LOGIN VARCHAR(50), OUT RESULT VARCHAR(50)) AS $$
BEGIN
RESULT = AGENTID FROM AGENT WHERE USERNAME = LOGIN;
END
$$ LANGUAGE PLPGSQL
```