CREATE TABLE users(user_id serial PRIMARY KEY, username VARCHAR (30), email VARCHAR(30));

INSERT INTO *users* (user_id, *username*, email) VALUES (1, 'Carlos', 'carlos@correocarlos.com'); INSERT INTO *users* (user_id, *username*, email) VALUES (1, 'Laura', 'laura@correolaura.com');

call_list=# CREATE TABLE calls(call_id serial PRIMARY KEY, phone varchar(15), call_date date, user_id integer REFERENCES users(user_id));

UPDATE users SET last name = 'Castro' WHERE username = 'Carlos';

UPDATE users SET last_name = 'Lopez' WHERE username = 'Laura';

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (1, '56922222222', 12-12-1999, 1);

ERROR: column "call date" is of type date but expression is of type integer

LINE 1: ..., call date, user id) VALUES (1, '5692222222', 12-12-1999...

Λ

HINT: You will need to rewrite or cast the expression.

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (1, '56922222222', '12-12-1999', 1);

INSERT 0 1

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (2, '5693333333', '12-11-1999', 1);

INSERT 0 1

call list=#

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (3, '5692222222', '12-10-1999', 1);

INSERT 0 1

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (4, '56911111111', '12-9-1999', 1);

INSERT 0 1

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (1, '569111111111', '12-9-1999', 2);

ERROR: duplicate key value violates unique constraint "calls pkey"

DETAIL: Key (call id)=(1) already exists.

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (5, '569111111111', '12-9-1999', 2);

INSERT 0 1

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (6, '56912345678', '12-8-1999', 2);

INSERT 0 1

call_list=# INSERT INTO_calls(call_id, phone, call_date, user_id) VALUES_(7, '56912345678', '11-8-1999', 2);

INSERT 0 1

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (8, '56912345678', '10-8-1999', 2);

INSERT 0 1

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (9, '56912345678', '9-8-1999', 2);

INSERT 0 1

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (10, '56912345678', '8-8-1999', 2);

INSERT 0 1

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (11, '56912345678', '9-8-1999', 2);

INSERT 0 1

call list=# INSERT INTO calls(call id, phone, call date, user id) VALUES (12, '56912345678', '7-8-1999', 2);

SELECT * FROM users, calls WHERE calls.user id = users.user id;

user id usern	ame email la	st_name ca	all_id	phone	call_dat	e user_i	<u>d</u>
+	++-	+	+		+	+	
1 Carlos	carlos@carloscorreo.con	n Castro	1	56922222	22 199	9-12-12	1
1 Carlos	carlos@carloscorreo.con	ı Castro	2	56933333	33 199	9-11-12	1
1 Carlos	carlos@carloscorreo.con	ı Castro	3	56922222	22 199	9-10-12	1
1 Carlos	carlos@carloscorreo.con	n Castro	4	56911111	11 199	9-09-12	1
2 Laura	laura@lauracorreo.com	Lopez	5	569111111	11 1999	9-09-12	2
2 Laura	laura@lauracorreo.com	Lopez	6	569123456		99-08-12	2
2 Laura	laura@lauracorreo.com	Lopez	7	569123456	578 199	9-08-11	2
2 Laura	laura@lauracorreo.com	Lopez	8	569123456	578 199	99-08-10	2
2 Laura	laura@lauracorreo.com	Lopez	9	569123456	578 199	99-08-09 i	2
2 Laura	laura@lauracorreo.com	Lopez	10	56912345	678 199	99-08-08	2
2 Laura	laura@lauracorreo.com	Lopez	11	56912345	678 199	99-08-09	2
2 Laura	laura@lauracorreo.com	Lopez	12	56912345	678 19 <u>9</u>	99-08-07	2

<u>INSERT INTO users(user id, username, email, last name) VALUES</u> (3,'Manuel','manuel@correomanuel.com', 'Mora');

<u>SELECT username</u>, count(call id) FROM users INNER JOIN calls ON (users.user id = calls.user id) group by username;

SELECT * FROM users, calls WHERE username = 'Carlos' ORDER BY call date desc;

user_id userna	ıme e	mail las	t_name	call	id	phone	call	date	user_i	<u>id</u>
+	+	+-		+	+		· _+		-+	
1 Carlos	carlos@ca	rloscorreo.com	Castro)	1	5692222	222	1999-	12-12	<u> </u>
•		rloscorreo.com	•	•	2	5693333	333 j	1999-	11-12	1
1 Carlos	carlos@ca	rloscorreo.com	Castro	<u> </u>	3	5692222	222 j	1999-	10-12	1

1	Carlos	carlos@carloscorreo.com	Castro	4	56911111111	1999-09-12	1
1	Carlos	carlos@carloscorreo.com	Castro	5	56911111111	1999-09-12	2
1	Carlos	carlos@carloscorreo.com	Castro	6	56912345678	1999-08-12	2
1	Carlos	carlos@carloscorreo.com	Castro	7	56912345678	1999-08-11	2
1	Carlos	carlos@carloscorreo.com	Castro	8	56912345678	1999-08-10	2
1	Carlos	carlos@carloscorreo.com	Castro	9	56912345678	1999-08-09	2
1	Carlos	carlos@carloscorreo.com	Castro	11	56912345678	1999-08-09	2
1	Carlos	carlos@carloscorreo.com	Castro	10	56912345678	1999-08-08	2
1	Carlos	carlos@carloscorreo.com	Castro	12	56912345678	1999-08-07	2
		•	•	•	•	•	•

(12 rows)

