

1-1 & 1-2

```
postgres=# \l
```

Name	Owner	Encoding	Collate	Ctype	Access privileges
crm	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	
customer	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	
fruits	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	
library	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	
photo	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	
photography	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	
postgres	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	
template0	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	=c/postgres + postgres=Ctc/postgres
template1	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	=c/postgres + postgres=Ctc/postgres
test	postgres	UTF8	Persian_Iran.1252	Persian_Iran.1252	

(10 rows)

```
postgres=# \c photo
```

You are now connected to database "photo" as user "postgres".

```
photo=# INSERT INTO PHOTOGRAPHER VALUES(1, 'MARYAM', 'ZANDI', 'IRANI', 'PORTRE', 1325, 'LISANSE HOGHOUGH VA OLOME ENSANI', 1);  
INSERT 0 1
```

```
photo=# INSERT INTO PHOTO VALUES(2, 'IRAJ AFSHAR', 'IRAN', 'PORTRE', '', 1, 1, 1);  
INSERT 0 1
```

```
photo=# INSERT INTO PHOTO VALUES(3, 'IRAJ AFSHAR', 'TEHRAN', 'PORTRE', '', 1, 1, 1);  
INSERT 0 1
```

```
photo=# ALTER TABLE PHOTO ADD COLUMN YEAR INT;  
ALTER TABLE
```

```
photo=# UPDATE PHOTO SET YEAR=2015 WHERE ID=2;  
UPDATE 1
```

```
photo=# SELECT * FROM PHOTO;
```

id	title	location	photo_subject	file	photographer_id	center_id	camera_id	year
1	ALI SAGBAZ	TORKAMANESTAN	REAL		1	1	1	
3	IRAJ AFSHAR	TEHRAN	PORTRE		1	1	1	
2	IRAJ AFSHAR	IRAN	PORTRE		1	1	1	2015

(3 rows)

```
photo=# UPDATE PHOTO SET YEAR=2015 WHERE ID=3;  
UPDATE 1
```

```
photo=# UPDATE PHOTO SET YEAR=1970 WHERE ID=1;  
UPDATE 1
```

```
photo=# SELECT * FROM PHOTO;
```

id	title	location	photo_subject	file	photographer_id	center_id	camera_id	year
2	IRAJ AFSHAR	IRAN	PORTRE		1	1	1	2015
3	IRAJ AFSHAR	TEHRAN	PORTRE		1	1	1	2015
1	ALI SAGBAZ	TORKAMANESTAN	REAL		1	1	1	1970

(3 rows)

```
photo=# SELECT FIRST_NAME, LAST_NAME FROM PHOTOGRAPHER INNER JOIN AWARD ON PHOTOGRAPHER.ID=AWARD.PHOTOGRAPHER_ID WHERE NATIONALITY='IRANI';
 first_name | last_name
-----+-----
 MARYAM    | ZANDI
(1 row)
```

```
photo=# SELECT PHOTO.TITLE, PHOTO.PHOTOGRAPHER_ID, AWARD.NAME AS AWARD_NAME, AWARD.DOLLOR_PRICE FROM PHOTO INNER JOIN AWARD ON PHOTO.ID=AWARD.PHOTO_ID WHERE DOLLOR_PRICE>1000;
 title | photographer_id | award_name | dollar_price
-----+-----+-----+-----
 KOOH  | 2 | KHARAZMI  | 2000
(1 row)
```

```
photo=# SELECT photographer.first_name, photographer.last_name, camera.brand as camera_brand FROM photographer INNER JOIN camera on photographer.camera_id=camera.id WHERE camera.brand='CANON';
 first_name | last_name | camera_brand
-----+-----+-----
 DELI       | GH        | CANON
(1 row)
```

```
photo=# SELECT * FROM photo WHERE photo_subject='NATURE' AND year BETWEEN 2000 AND 2010;
 id | title | location | photo_subject | file | photographer_id | center_id | camera_id | year
-----+-----+-----+-----+-----+-----+-----+-----+-----
 4 | KOOH  | FRANCE  | NATURE       |      | 2 | 2 | 2 | 2005
(1 row)
```

TABLES

(2 rows)

(2 rows)

(2 rows)

(3 rows)

(4 rows)

```
photo=# SELECT * FROM award;
```

id	name	donor_institute	dollar_price	date_award	photographer_id	photo_id
1	FARHANG VA HONAR	VEZARATE FARHANG VA HONAR	1000	1970	1	1
2	KHARAZMI	SEDA VA SIMA	2000	1990	2	4

(2 rows)

(2 rows)

ERD

