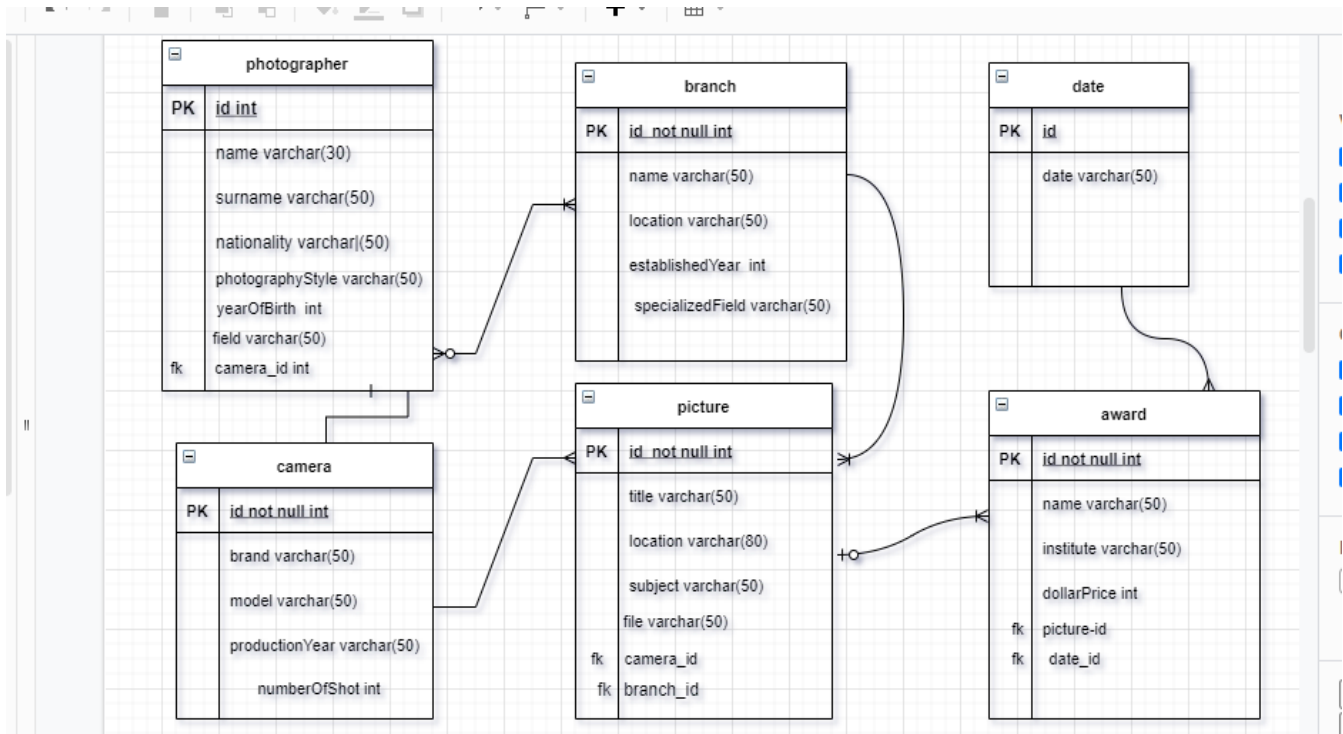


1-2)

Erd:



1-3)

CREATE DATABASE Photography;

```
SQL Shell (psql)
Server [localhost]:
Database [postgres]:
Port [5432]:
Username [postgres]:
Password for user postgres:
psql (9.6.2)
WARNING: Console code page (437) differs from Windows code page (1252)
8-bit characters might not work correctly. See psql reference
page "Notes for Windows users" for details.
Type "help" for help.

postgres=# CREATE DATABASE Photography;
CREATE DATABASE
postgres=#
```

\c photography

```
SQL Shell (psql)
8-bit characters might not work correctly. See psql reference
page "Notes for Windows users" for details.
Type "help" for help.

postgres=# CREATE DATABASE Photography;
CREATE DATABASE
postgres=# \c Photography
FATAL: database "Photography" does not exist
Previous connection kept
postgres=# \l

      List of databases
  Name      | Owner   | Encoding | Collate         | Ctype          | Access privileges
-----+-----+-----+-----+-----+-----
 library    | postgres | UTF8     | English_United States.1252 | English_United States.1252 |
 maktab_61  | postgres | UTF8     | English_United States.1252 | English_United States.1252 |
 photography | postgres | UTF8     | English_United States.1252 | English_United States.1252 |
 postgres   | postgres | UTF8     | English_United States.1252 | English_United States.1252 |
 template0  | postgres | UTF8     | English_United States.1252 | English_United States.1252 | =c/postgres +
            |          |          |          |          | postgres=CTc/postgres
 template1  | postgres | UTF8     | English_United States.1252 | English_United States.1252 | =c/postgres +
            |          |          |          |          | postgres=CTc/postgres
(6 rows)

postgres=# \c photography
WARNING: Console code page (437) differs from Windows code page (1252)
8-bit characters might not work correctly. See psql reference
page "Notes for Windows users" for details.
You are now connected to database "photography" as user "postgres".
photography=#
```

CREATE TABLE camera (id int PRIMARY KEY NOT NULL, brand varchar(50), model varchar(50), production_year varchar(50), number_of_shot int);

```
photography=# CREATE TABLE camera (id int PRIMARY KEY NOT NULL, brand varchar(50), model varchar(50), production_year varchar(50), number_of_shot int);
CREATE TABLE
photography=# SELECT * FROM camera;
 id | brand | model | production_year | number_of_shot
-----+-----+-----+-----+-----
(0 rows)

photography=#
```

CREATE TABLE date (id int PRIMARY KEY NOT NULL, date varchar(50));

```
photography=# CREATE TABLE date (id int PRIMARY KEY NOT NULL, date varchar(50));
CREATE TABLE
photography=# SELECT * FROM date;
 id | date
-----+-----
(0 rows)
```

```
CREATE TABLE photographer (id int PRIMARY KEY NOT NULL, name varchar(50), surname varchar(50),
nationality varchar(50), photography_style varchar(50), year_of_birth int, field varchar(50), camera_id
int REFERENCES camera(id));
```

```
(0 rows)

photography=# CREATE TABLE photographer (id int PRIMARY KEY NOT NULL, name varchar(50), surname varchar(50), nationality varchar(50),
, photography_style varchar(50), year_of_birth int, field varchar(50), camera_id int REFERENCES camera(id));
CREATE TABLE
photography=# SELECT * FROM photography;
ERROR:  relation "photography" does not exist
LINE 1: SELECT * FROM photography;
                        ^
photography=# SELECT * FROM photographer;
 id | name | surname | nationality | photography_style | year_of_birth | field | camera_id
-----+-----+-----+-----+-----+-----+-----+-----
(0 rows)

photography=#
```

```
CREATE TABLE branch (id int PRIMARY KEY NOT NULL, name varchar(50), location varchar(50),
established_year int, specialized_field varchar(50));
```

```
(0 rows)

photography=# CREATE TABLE branch (id int PRIMARY KEY NOT NULL, name varchar(50), location varchar(50), established_year int, specialized_field varchar(50));
CREATE TABLE
photography=# SELECT * FROM branch;
 id | name | location | established_year | specialized_field
-----+-----+-----+-----+-----
(0 rows)

photography=#
```

```
CREATE TABLE photographer_branch (id int PRIMARY KEY NOT NULL, photographer_id int REFERENCES
photographer(id), branch_id int REFERENCES branch(id));
```

```
(0 rows)

photography=# CREATE TABLE photographer_branch (id int PRIMARY KEY NOT NULL, photographer_id int REFERENCES photographer(id), branch_id int REFERENCES branch(id));
CREATE TABLE
photography=# SELECT * FROM photographer_branch;
ERROR:  syntax error at or near ")"
LINE 1: SELECT * FROM photographer)branch;
                        ^
photography=# SELECT * FROM photographer-branch;
ERROR:  syntax error at or near "-"
LINE 1: SELECT * FROM photographer-branch;
                        ^
photography=# SELECT * FROM photographer_branch;
 id | photographer_id | branch_id
-----+-----+-----
(0 rows)
```

```
CREATE TABLE picture (id int PRIMARY KEY NOT NULL, title varchar(50), location varchar(50), subject
varchar(50), file varchar(50), camera_id int REFERENCES camera(id), branch_id int REFERENCES
branch(id));
```

```
photography=# CREATE TABLE picture (id int PRIMARY KEY NOT NULL, title varchar(50), location varchar(50), subject varchar(50), file
varchar(50), camera_id int REFERENCES camera(id), branch_id int REFERENCES branch(id));
CREATE TABLE
photography=# SELECT * FROM picture;
 id | title | location | subject | file | camera_id | branch_id
-----+-----+-----+-----+-----+-----+-----
(0 rows)

photography=#
```

```
CREATE TABLE award (id int PRIMARY KEY NOT NULL, name varchar(50), institute varchar(50),
dollar_price int, picture_id int REFERENCES picture(id), date_id int REFERENCES date(id));
```

```
photography=# CREATE TABLE award (id int PRIMARY KEY NOT NULL, name varchar(50), institute varchar(50), dollar_price int, picture_id int REFERENCES picture(id),
date_id int REFERENCES date(id));
CREATE TABLE
photography=# SELECT * FROM award;
 id | name | institute | dollar_price | picture_id | date_id
-----+-----+-----+-----+-----+-----
(0 rows)
```

List all table names:

```
SELECT table_name FROM information_schema.tables WHERE table_schema='public';
```

```
photography=# SELECT table_name FROM information_schema.tables WHERE table_schema='public';
 table_name
-----
award
photographer
photographer_branch
camera
branch
picture
date
(7 rows)
```