Câu 1

CREATE TABLE myemployees(employee\_id SERIAL PRIMARY KEY, firstname VARCHAR(20) NOT NULL, lastname VARCHAR(20) NOT NULL, title VARCHAR(500) NOT NULL DEFAULT '', age INTEGER CHECK (age >= 0), salary DECIMAL(10, 2) CHECK (salary <= 1000000));

Câu2

INSERT INTO myemployees(employee\_id, firstname, lastname, title, age, salary) VALUES(1, 'Jonie', 'Weber', 'Secretary', 28, 19500), (2, 'Potsy', 'Weber', 'Programmer', 32, 45300),(3, 'Dirk', 'Smith', 'Programmer II', 45, 75020),(4, 'Mike', 'Nicols', 'Programmer', 25, 35000),(5, 'Jim', 'Smith', 'Secretary', 24, 17000),(6, 'Dean', 'Yeager', 'Programmer II', 39, 73000),(7, 'Mark', 'Middleton', ‘’, 21, 10000);

Câu 3

SELECT \* FROM myemployees;

Câu 4

SELECT \* FROM myemployees WHERE salary < 30000;

Câu 5

SELECT firstname, lastname FROM myemployees WHERE age > 30;

Câu 6

SELECT firstname, lastname, salary FROM myemployees WHERE title = 'Programmer';

Câu 7

SELECT \* FROM myemployees WHERE lastname LIKE '%ebe%';

Câu 8

SELECT \* FROM myemployees WHERE firstname = 'Potsy';

Câu 9

SELECT \* FROM myemployees WHERE lastname LIKE '%ith';

Câu 10

UPDATE myemployees SET lastname = 'Williams' WHERE firstname = 'Jonie' AND lastname = 'Weber';

Câu 11

UPDATE myemplyees SET age = age +1 WHERE firstname = ‘Dirk’ AND lastname = ‘Smith’;

Câu 12

UPDATE myemployees SET title = 'Administrative Assistant' WHERE title = 'Secretary';

Câu 13

UPDATE myemployees SET salary = salary + 3500 WHERE salary < 30000;

Câu 14

UPDATE myemployees SET salary = salary + 4500 WHERE salary > 33500;

Câu 15

UPDATE myemployees SET title = 'Programmer III' WHERE title = 'Programmer II';

UPDATE myemployees SET title = 'Programmer II' WHERE title = 'Programmer';

Câu 16

DELETE FROM myemployees WHERE firstname = 'Jonie' AND lastname = 'Williams';

Câu 17

DELETE FROM myemployees WHERE salary > 70000;

Câu 18

CREATE DATABASE music WITH = postgres ENCODING = ‘UTF8’;

Câu 19

CREATE TABLE album(album\_id INEGER PRIMARY KEY, title VARCHAR(100));

CREATE TABLE artist( artist\_id SERIAL PRIMARY KEY, name VARCHAR(50));

CREATE TABLE track(id SERIALPRIMARY KEY, title VARCHAR(100), len NUMERIC(4,0), rating NUMERIC(4,0), count(4,0), artist\_id INTEGER REFERENCES artist(artist\_id), album\_id INTEGER REFERENCES album(album\_id));

Câu 20

* Bảng album:

C:\Users\HOANG PHU>docker cp D:\hi\album.csv 3f145ef7ada1:album.csv

Successfully copied 3.07kB to 3f145ef7ada1:album.csv

C:\Users\HOANG PHU>docker exec -it postgresCont bash

root@3f145ef7ada1:/# ls

album.csv boot docker-entrypoint-initdb.d home lib64 mnt proc run srv tmp var

bin dev etc lib media opt root sbin sys usr

root@3f145ef7ada1:/# psql -h localhost -U postgres

psql (16.2 (Debian 16.2-1.pgdg120+2))

Type "help" for help.

postgres=# \c music;

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

music=# \copy album FROM album.csv DELIMITER','CSV HEADER;

COPY 41

* Bảng artist:

C:\Users\HOANG PHU>docker cp D:\hi\artist.csv 3f145ef7ada1:artist.csv

Successfully copied 2.56kB to 3f145ef7ada1:artist.csv

C:\Users\HOANG PHU>docker exec -it postgresCont bash

root@3f145ef7ada1:/# ls

album.csv bin dev etc lib media opt root sbin sys usr

artist.csv boot docker-entrypoint-initdb.d home lib64 mnt proc run srv tmp var

root@3f145ef7ada1:/# psql -h localhost -U postgres

psql (16.2 (Debian 16.2-1.pgdg120+2))

Type "help" for help.

postgres=# \c music;

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

music=# \copy artist FROM artist.csv DELIMITER','CSV HEADER;

COPY 51

* Bảng track:

C:\Users\HOANG PHU>docker cp D:\hi\track.csv 3f145ef7ada1:track.csv

Successfully copied 12.8kB to 3f145ef7ada1:track.csv

C:\Users\HOANG PHU>docker exec -it postgresCont bash

root@3f145ef7ada1:/# ls

album.csv bin dev etc lib media opt root sbin sys track.csv var

artist.csv boot docker-entrypoint-initdb.d home lib64 mnt proc run srv tmp usr

root@3f145ef7ada1:/# psql -h localhost -U postgres

psql (16.2 (Debian 16.2-1.pgdg120+2))

Type "help" for help.

postgres=# \c music;

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

music=# \copy track (title, len, rating, count, album\_id, artist\_id) FROM 'track.csv' DELIMITER ',' CSV HEADER;

COPY 296

music=#