

File: Invoices

inv\_id,inv\_date,cust\_name,inv\_total

File: Invoices\_details

Seq,inv\_id,item\_name,item\_quantity,item\_unit\_price

Write a shell script accepts 2 parameters, the invoice file name, and invoice details file name.parses the 2 files, and insert them into mysql database

```
$ sudo mysql -u root -p
```

```
mysql> create user 'fierro' identified by 'password1234@';
```

```
mysql> GRANT ALL ON *.* TO 'fierro' with grant option;
```

```
fierro98@ubuntu:~$ sudo mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.28-0ubuntu0.20.04.3 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create user 'fierro' identified by 'password1234@';
Query OK, 0 rows affected (0.05 sec)

mysql> GRANT ALL ON *.* TO 'fierro' with grant option;
Query OK, 0 rows affected (0.00 sec)

mysql> exit
Bye
fierro98@ubuntu:~$ mysql -u fierro -p
```

```
$ mysql -u fierro -p
```

```
mysql> CREATE DATABASE bash1;
```

```
mysql> USE bash1;
```

```
mysql> Create table invoice(inv_id INT, inv_date DATE,cust_name VARCHAR(20), inv_total
INT, PRIMARY KEY(inv_id));
```

```
mysql> Create table Invoices_details (Seq INT, inv_id INT ,item_name VARCHAR(20),
item_quantity INT, item_unit_price INT, PRIMARY KEY(seq),
FOREIGN KEY (inv_id) REFERENCES invoice(inv_id));
```

```
mysql> CREATE DATABASE bash1;
Query OK, 1 row affected (0.02 sec)

mysql> USE bash1;
Database changed
mysql> Create table invoice(inv_id INT, inv_date DATE,cust_name VARCHAR(20), inv
_total INT, PRIMARY KEY(inv_id));
Query OK, 0 rows affected (0.08 sec)

mysql> Create table Invoices_details (Seq INT, inv_id INT ,item_name VARCHAR(20),
item_quantity INT, item_unit_price INT, PRIMARY KEY(seq), FOREIGN KEY (inv_id)
REFERENCES invoice(inv_id));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near ', inv
_id INT ,item_name VARCHAR(20), item_quantity INT, item_unit_price INT, PRI' at
line 1
mysql> Create table Invoices_details (Seq INT, inv_id INT ,item_name VARCHAR(20)
,item_quantity INT, item_unit_price INT, PRIMARY KEY(seq), FOREIGN KEY (inv_id)
REFERENCES invoice(inv_id));
Query OK, 0 rows affected (0.08 sec)
```

\$ gedit ~/Desktop/Invoices.txt &

```
Open Invoices.txt ~/Desktop
1 0:4-9-2022:Mahmoud:100
2 1:4-9-2022:Ahhmed:100
3 2:4-9-2022:Salma:300
4 3:4-9-2022:Rana:250
```

\$ gedit ~/Desktop/Invoices\_details.txt &

```
Open Invoices_details.txt ~/Desktop
Invoices_details.txt
1 0:0:item0:1:50
2 1:0:item1:1:50
3 2:1:item0:2:50
4 3:2:item0:2:50
5 4:2:item1:2:50
6 5:2:item2:2:100
7 6:3:item0:1:50
8 7:3:item2:2:100
```

\$ gedit ~/Desktop/script.sh &

```
script.sh ~/Desktop
1 #!/bin/bash
2 ## Lab 1
3 ## Author: Mahmoud Mohaned Kamal
4 ## Date: 09-04-2022
5 ##Exit codes
6 ##      0: Success
7 ##      1: Error - Didn't connect
8 ##      2: Error - Missing parameter
9 [ $# ] -ne 2 ] && exit 2
10 FILE1=${1}
11 FILE2=${2}
12 USER="fierro"
13 PASS="password1234@"
14 DB="bash1"
15 TABLE="invoice"
16
17 QUERY1=$(awk 'BEGIN{
18 FS=":"
19 }{print "INSERT INTO bash1.invoice VALUES(" $1 ", \" " $2 "\", \" " $3 "\", \" " $4 "\"); }' $(FILE1) )
20 QUERY2=$(awk 'BEGIN{
21 FS=":"
22 }{print "INSERT INTO bash1.Invoices_details VALUES(" $1 ", \" " $2 "\", \" " $3 "\", \" " $4 "\", \" " $5 "\"); }' $(FILE2) )
23
24 mysql -u${USER} -p${PASS} -e "$QUERY1"
25 mysql -u${USER} -p${PASS} -e "$QUERY2"
26 exit 0
27
28 # mysql -u ${USER} -p${PASSWORD} -e "CREATE TABLE IF NOT EXISTS ${DB}.${TABLE1}(invID int PRIMARY KEY,custname varchar(100), invdate date, invtotal float )";
29 # mysql -u ${USER} -p${PASSWORD} -e "CREATE TABLE IF NOT EXISTS ${DB}.${TABLE2}(seq int PRIMARY KEY AUTO_INCREMENT,invID int REFERENCES ${DBNAME}.${TABLE1}(invID), itemname
30 varchar(50), unitprice int, quantity int)";
```

~/Desktop\$ bash script.sh Invoices.txt Invoices\_details.txt

```
fierro98@ubuntu:~/Desktop$ bash script.sh Invoices.txt Invoices_details.txt
mysql: [Warning] Using a password on the command line interface can be insecure
mysql: [Warning] Using a password on the command line interface can be insecure
```

\$ mysql -u fierro -p

mysql> use bash1

mysql> select \* from invoice;

```
mysql> select * from invoice
-> ;
+----+-----+-----+-----+
| inv_id | inv_date | cust_name | inv_total |
+----+-----+-----+-----+
| 0 | 2022-04-09 | Mahmoud | 100 |
| 1 | 2022-04-09 | Ahmed | 100 |
| 2 | 2022-04-09 | Salma | 300 |
| 3 | 2022-04-09 | Rana | 250 |
+----+-----+-----+-----+
4 rows in set (0.00 sec)
```

mysql> select \* from Invoices\_details;

```
mysql> select * from Invoices_details;
+----+-----+-----+-----+-----+
| Seq | inv_id | item_name | item_quantity | item_unit_price |
+----+-----+-----+-----+-----+
| 0 | 0 | item0 | 1 | 50 |
| 1 | 0 | item1 | 1 | 50 |
| 2 | 1 | item0 | 2 | 50 |
| 3 | 2 | item0 | 2 | 50 |
| 4 | 2 | item1 | 2 | 50 |
| 5 | 2 | item2 | 2 | 100 |
| 6 | 3 | item0 | 1 | 50 |
| 7 | 3 | item2 | 2 | 100 |
+----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```