

Description:

Application "Delete user"

This application takes in a user's name and finds all records pertaining to that username and deletes said records and shows that the deletion is successful

Python/MySQL code:

```
# -*- coding: utf-8 -*-
```

```
''''
```

Created on Wed Mar 3 20:42:15 2021

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```
''''
```

```
import mysql.connector
```

```
mydb = mysql.connector.connect(
```

```
    user='testuser', # could be root, or a user you created, I created 'testuser2'
```

```
    passwd='password', # the password for that use
```

```
    database='a7', # the database to connect to
```

```
    host='127.0.0.1', # localhost
```

```
    allow_local_infile='1' # needed so can load local files
```

```
)
```

```
print(mydb)
```

```
myc = mydb.cursor() # myc name short for "my cursor"
```

```
# We need to reset the variable that allows loading of local files
```

```
myc.execute('set global local_infile = 1')
```

```
myc.execute("show databases") # this returns a list in myc that you can iterate over
print('\nresult of "show databases"')

for x in myc:
    print(x)
```

```
myc.execute("use a7")
myc.execute("select database()")
print('\nresult from "select database()")')

for x in myc:
    print(x)
```

```
# print out which tables are in a7
print('\nresult of "show tables"')

myc.execute("show tables")

for x in myc:
    print(x)
```

```
#application "Delete user"
#This application takes in a user's name and finds all records pertaining to that username
#and deletes said records and shows that the deletion is successful
```

```
user_input = input("Please enter the username you would like to delete:")

print('\nresult of "select * from Users U where U.name =' + user_input + ' ')
myc.execute("select * from Users U where U.name =" + user_input + "'")

for x in myc:
    print(x)
```

```
print('\nresult of "select * from Listens L where L.name =' + user_input + """)
myc.execute ("select * from Listens L where L.userName ="" + user_input + """)
for x in myc:
    print(x)
```

```
myc.execute("delete from Users U where U.name ="" + user_input + """)
myc.execute("delete from Listens L where L.userName ="" + user_input + """)\
```

```
print('Delete Successful!')
```

```
print('\nresult of "select * from Users U where U.name =' + user_input )
myc.execute ("select * from Users U where U.name ="" + user_input + """)
for x in myc:
    print(x)
```

```
print('\nresult of "select * from Listens L where L.name =' + user_input )
myc.execute ("select * from Listens L where L.userName ="" + user_input + """)
for x in myc:
    print(x)
```

Script of output:

```
runfile('O:/School work/comp sci/databases/python/a7.py', wdir='O:/School work/comp  
sci/databases/python')
```

```
<mysql.connector.connection.MySQLConnection object at 0x000002089DA08E50>
```

result of "show databases"

```
('a4',)
```

```
('a5',)
```

```
('a7',)
```

```
('exercise6',)
```

```
('information_schema',)
```

```
('musicappdb',)
```

```
('mysql',)
```

```
('performance_schema',)
```

```
('sakila',)
```

```
('sys',)
```

```
('test9',)
```

```
('world',)
```

result from "select database()"

```
('a7',)
```

result of "show tables"

```
('artist',)
```

```
('engineer',)
```

```
('listens',)
```

```
('makes',)
```

```
('mixesandmasters',)
```

```
('musiclabel',)
```

('performs',)

('producer',)

('song',)

('sources',)

('users',)

Please enter the username you would like to delete:Oscar26

result of "select * from Users U where U.name =Oscar26

('Oscar26', 43, 'Fayetteville', 'NC', datetime.date(2015, 5, 7))

result of "select * from Listens L where L.name =Oscar26'

('Oscar26', 'Dirty K160', 234)

('Oscar26', 'Dirty K807', 345)

('Oscar26', "Don't Like Me371", 414)

('Oscar26', "Don't Like Me467", 122)

('Oscar26', 'Good Days283', 483)

('Oscar26', 'Good Days427', 45)

('Oscar26', 'Hot Girl Summer405', 223)

('Oscar26', 'Hot Girl Summer738', 496)

('Oscar26', 'Hot Wings21', 168)

('Oscar26', 'Hot Wings876', 167)

('Oscar26', 'Kiss of Life501', 191)

('Oscar26', 'Kiss of Life63', 376)

('Oscar26', 'Love Yourz191', 194)

('Oscar26', 'Love Yourz6', 154)

('Oscar26', 'Never22', 384)

('Oscar26', 'Never790', 179)

('Oscar26', 'One Beer175', 123)

('Oscar26', 'One Beer355', 89)

('Oscar26', 'This Old Heart Of Mine (Is Weak For You)357', 235)

('Oscar26', 'This Old Heart Of Mine (Is Weak For You)903', 428)

Delete Successful!

result of "select * from Users U where U.name =Oscar26

result of "select * from Listens L where L.name =Oscar26