Infosys Campus Connect

Module 3 Project

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Stream – ECE

Project Title – InstaDB Integration

Program Code :

import cx\_Oracle

con = cx\_Oracle.connect("ankit123/ankit")

cur = con.cursor()

print("Select from the below options ")

print("---------------------------------------- ")

print("Press 1 for Max Likes")

print("Press 2 for Min Likes")

print("Press 3 for Music Pictures")

print("Press 4 for Popular Tag")

print("Press 5 for Most Liked User")

print("Press 6 for Old Tagging")

print("Press 7 to delete inactive users")

print("---------------------------------------- ")

choice = int(input("Press the appropriate key depending on your choice \n"))

if (choice == 1):

cur.execute("SELECT PIC\_ID FROM PICTURE WHERE LIKES=(SELECT MAX(LIKES) FROM PICTURE)")

for i in cur.fetchall():

print("The picture id with maximum likes is:",i[0])

elif (choice == 2):

cur.execute("SELECT PIC\_ID FROM PICTURE WHERE LIKES=(SELECT MIN(LIKES) FROM PICTURE)")

print("The picture id with minimum likes are:")

for i in cur.fetchall():

print(i[0])

elif (choice == 3):

cur.execute("SELECT PIC\_ID FROM PICTURE WHERE TAGS='MUSIC'")

print("The picture id related to music are:")

for i in cur.fetchall():

print(i[0])

elif (choice == 4):

cur.execute("SELECT TAGS FROM PICTURE GROUP BY TAGS HAVING COUNT(TAGS)=(SELECT MAX(MYCOUNT) FROM (SELECT COUNT(TAGS) MYCOUNT FROM PICTURE GROUP BY TAGS))");

print("The most popular tag is:")

for i in cur.fetchall():

print(i[0])

elif (choice == 5):

cur.execute("SELECT FNAME,LNAME FROM USERS WHERE USER\_ID=(SELECT USER\_ID FROM PICTURE WHERE LIKES=(SELECT MAX(LIKES) FROM PICTURE))");

print("The user who has been liked most:")

for i in cur.fetchall():

print(i[0],i[1])

elif (choice == 6):

cur.execute("SELECT PIC\_ID,TAGS FROM PICTURE WHERE (SYSDATE-DATE\_POSTED) > 1095");

print("The user with a picture tag of more than 3 years is:")

for i in cur.fetchall():

print(i[0],i[1])

elif (choice == 7):

cur.execute("DELETE FROM PICTURE WHERE (SYSDATE-DATE\_POSTED) > 365")

print("The rest of the users are:")

for i in cur.fetchall():

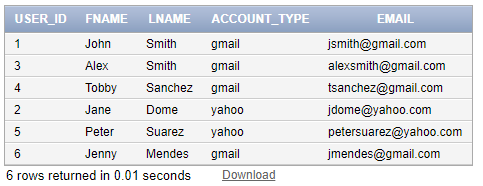
print(i)

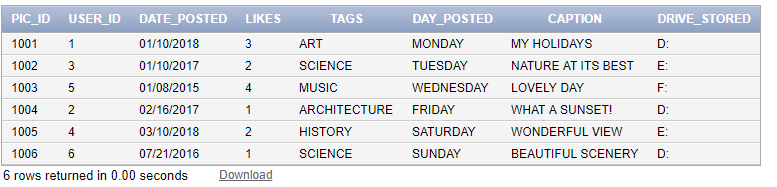
else:

print("Sorry wrong choice")

con.close()

Database Tables Created:





Program Output:

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

1

The picture with max likes is: 1003

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

2

The picture id with minimum likes is: 1004

The picture id with minimum likes is: 1006

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

2

The picture id with minimum likes are:

1004

1006

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

3

The picture id related to music are:

1003

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

4

The most popular tag is:

('SCIENCE',)

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

4

The most popular tag is:

SCIENCE

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

5

The user who has been liked most:

Peter

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

5

The user who has been liked most:

('Peter', 'Suarez')

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

5

The user who has been liked most:

Peter Suarez

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

6

Traceback (most recent call last):

File "<ipython-input-19-09637803d909>", line 1, in <module>

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

File "C:\Users\ANKIT\Anaconda3\lib\site-packages\spyder\utils\site\sitecustomize.py", line 705, in runfile

execfile(filename, namespace)

File "C:\Users\ANKIT\Anaconda3\lib\site-packages\spyder\utils\site\sitecustomize.py", line 102, in execfile

exec(compile(f.read(), filename, 'exec'), namespace)

File "C:/Users/ANKIT/Desktop/db.py", line 40, in <module>

cur.execute("SELECT PIC\_ID,TAGS FROM PICTURE WHERE (SYSDATE-DATE\_POSTED) > 1095)");

DatabaseError: ORA-00933: SQL command not properly ended

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

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Press 1 for Max Likes

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Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

6

The user with a picture tag of more than 3 years is:

1003 MUSIC

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

1

The picture id with maximum likes is: 1003

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

2

The picture id with minimum likes are:

1004

1006

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

3

The picture id related to music are:

1003

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

4

The most popular tag is:

SCIENCE

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

Press 2 for Min Likes

Press 3 for Music Pictures

Press 4 for Popular Tag

Press 5 for Most Liked User

Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

5

The user who has been liked most:

Peter Suarez

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

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Press 1 for Max Likes

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Press 3 for Music Pictures

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The user with a picture tag of more than 3 years is:

1003 MUSIC

runfile('C:/Users/ANKIT/Desktop/db.py', wdir='C:/Users/ANKIT/Desktop')

Select from the below options

----------------------------------------

Press 1 for Max Likes

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Press 6 for Old Tagging

Press 7 to delete inactive users

----------------------------------------

Press the appropriate key depending on your choice

10

Sorry wrong choice