import cx\_Oracle;

import collections;

import sys;

con = cx\_Oracle.connect("HR-WIN10/GOOD\*8god@127.0.0.1/xe")

cur = con.cursor()

def Maximum\_Likes():

print("Enter your User\_Id")

UID = int(input())

statement = "select p.Picture\_Id from Database\_Pictures p,Database\_User u where u.User\_Id = p.Users\_Id and Users\_Id = :0"

result = cur.execute(statement,{'0':UID})

result\_list = []

for each in result:

result\_list.append(each[0])

length = len(result\_list)

diction = {}

count1 = []

count = {}

nlist = []

for i in range(0,length):

Id = result\_list[i]

statment = "select count(Picture\_Id) from Liked\_Photos where Picture\_Id = :0"

result = cur.execute(statment,{'0':Id})

for each in result:

count1.append(each[0])

nlist = sorted(count1,reverse=True)

if nlist[0] > 0:

for i in range(0,length):

diction[result\_list[i]] = count1[i]

count = collections.OrderedDict(sorted(diction.items(),reverse = False))

for key in count:

print("The photo with PID " ,key,"has received maximum likes")

break

else:

print("Your photo has not received any likes")

print()

print()

print()

def Minimum\_Likes():

print("Enter your User\_Id")

UID = int(input())

statement = "select p.Picture\_Id from Database\_Pictures p,Database\_User u where u.User\_Id = p.Users\_Id and Users\_Id = :0"

result = cur.execute(statement,{'0':UID})

result\_list = []

for each in result:

result\_list.append(each[0])

length = len(result\_list)

diction = {}

count1 = []

count = {}

nlist = []

for i in range(0,length):

Id = result\_list[i]

statment = "select count(Picture\_Id) from Liked\_Photos where Picture\_Id = :0"

result = cur.execute(statment,{'0':Id})

for each in result:

count1.append(each[0])

nlist = sorted(count1,reverse=True)

if nlist[0] > 0:

for i in range(0,length):

diction[result\_list[i]] = count1[i]

count = collections.OrderedDict(sorted(diction.items(),reverse = True))

for key in count:

print("The photo with PID " ,key,"has received minimum likes")

break

else:

print("Your photo has not received any likes")

print()

print()

print()

def Music\_Pictures():

statement = "select Picture\_Id from Tagged\_Photos where Tag\_Id = (select Tag\_Id from Tags where Tag\_Name = 'Music')"

result = cur.execute(statement)

print("Picture\_Id related to Music")

for each in result:

print(each[0])

print()

print()

print()

def Popular\_Tag():

statement = "select Tag\_Name from Tags where Tag\_Id = (select Tag\_Id from (select Tag\_Id ,count(Tag\_Id) from Tagged\_Photos group by Tag\_Id ) where rownum=1)"

result = cur.execute(statement)

print("The Popular Tag is ")

for each in result:

print(each[0])

print()

print()

print()

def Old\_Tagging():

photos = []

print("Enter User\_Id")

Id = int(input())

statement = """select Picture\_Id from Database\_Pictures where Date\_Of\_Posting < to\_date(:arg1,'yyyy-mm-dd') and Users\_Id = :arg3"""

result = cur.execute(statement,{'arg1':'2015-03-30','arg3':Id})

for each in result:

photos.append(each[0])

print("Old photos")

for each in photos:

print(each)

#print(photos)

if len(photos) > 0:

print("Do you wish to tag your older photos??")

ch = input()

if ch == 'Y' or ch =='y':

print("Enter the Picture\_Id")

Picture = int(input())

if Picture in photos:

print("1.Art")

print("2.Science")

print("3.Music")

print("4.History")

print("5.Engineering")

print("Enter the Tag Id")

Tag = int(input())

if Tag == 1 or Tag == 2 or Tag == 3 or Tag == 4 or Tag == 5:

statement = "insert into Tagged\_Photos(Picture\_Id,Tag\_Id) values (:0,:1)"

cur.execute(statement,{'0':Picture,'1':Tag})

con.commit()

else:

print("Enter a valid picture\_id")

else:

print("Okay.You can Tag it later")

else:

print("No old Photos to tag")

print()

print()

print()

def Delete\_Users():

statement = "select distinct User\_Fname,Users\_Id from Database\_User u , Database\_Pictures p where p.Date\_Of\_Posting not between to\_date(:arg1,'yyyy-mm-dd') and to\_date(:arg2,'yyyy-mm-dd') and u.User\_Id = p.Users\_Id"

result = cur.execute(statement,{'arg1':'2017-03-30','arg2':'2018-03-31'})

print("The Inactive Users are")

for each in result:

print(each[0])

def Most\_Liked\_User():

statement = "select User\_Fname from Database\_User where User\_Id = (select Users\_Id from Database\_Pictures where Picture\_Id = (select Picture\_Id from (select Picture\_Id from Liked\_Photos group by Picture\_Id order by count(Picture\_Id) desc) where rownum=1))"

result = cur.execute(statement)

print("The Most Liked User is ")

for each in result:

print(each[0])

print()

print()

print()

flag = True

while flag:

print("1.Maximum Likes")

print("2.Minimum Likes")

print("4.Music pictures")

print("5.Popular Tag")

print("6.Most\_Liked\_User")

print("7.Old Tagging")

print("8.Delete InActive Users")

print("9.Quit")

print("Enter your choice")

ch = input()

if ch == "1":

Maximum\_Likes()

if ch == "2":

Minimum\_Likes()

if ch == "4":

Music\_Pictures()

if ch == "5":

Popular\_Tag()

if ch == "6":

Most\_Liked\_User()

if ch == "7":

Old\_Tagging()

if ch == "8":

Delete\_Users()

if ch == "9":

print("Bye Bye have a good day")

sys.exit()

cur.close()

con.close()