#Displaying all employees details for a given department from an existing table employee (ripunjay,manasvi)

import mysql.connector as my

def display\_all() :

try:

mysel=my.connect(host='localhost',user='root',passwd='',database='xaviers')

mycursor=mysel.cursor()

print('Table Employee as follows ......')

dno = int(input('Enter the department number to be retrieved = '))

query = f"select \* from employee where deptno={dno}"

mycursor.execute(query)

myrecords = mycursor.fetchall()

c = mycursor.rowcount

if c == 0 :

print('Not Found')

else :

print('Empno'.ljust(10), 'Name'.ljust(10),'Job'.ljust(10),'Mgr'.ljust(10),'HireDate'.ljust(10),'Salary'.ljust(10),'Comm'.ljust(10),'Deptno'.ljust(10))

for x in myrecords :

print('\n',end=’’)

for i in x:

print(str(i).ljust(10) , end = '|')

except Exception as e :

print(e)

mysel.close()

display\_all()

output

Table Employee as follows ......

Enter the department number to be retrieved = 20

Empno Name Job Mgr HireDate Salary Comm Deptno

7369 |Smith |Clerk |7902 |1980-12-17 |800 |None |20 |

7566 |Jones |Manager |7839 |1995-10-31 |2975 |None |20 |

7788 |Scott |Analyst |7566 |1996-03-05 |3000 |None |20 |

7876 |Adams |Clerk |7788 |1999-06-04 |1100 |None |20 |

7902 |Ford |Analyst |7566 |1997-12-05 |3000 |None |20 |

#WAP to create a table game (game no, name , nop) and insert rows in it using user defined functions create\_table() and #insert\_rows()(ripunjay,manasvi)

Import mysql.connector as my

mydb=my.connect(host='127.0.0.1',user='root',passwd='',database='xaviers')

mycursor=mysel.cursor()

def create\_table() :

try:

query = "create table if not exists game (game\_no integer primary key , name varchar(20) not null , nop integer)"

mycursor.execute(query)

except exception as e:

print(e)

def insert\_rows() :

try :

while True :

game\_no = int(input('Enter the game number = '))

name = input('Enter the name of game = ')

nop = int(input('Enter the number of players = '))

query = f"insert into game values({game\_no},'{name}',{nop})"

mycursor.execute(query)

ans = input('WANNA ENTER MORE VALUES(y/n) : ')

if ans.lower() == 'n' :

break

mysel.commit()

# Printing Result

mycursor.execute("select \* from game")

myrecords = mycursor.fetchall()

c = mycursor.rowcount

if c == 0 :

print('Not Found')

else :

print('\n')

print('Game No.'.ljust(15), 'Game Name'.ljust(10),'No. of Player'.ljust(10))

for x in myrecords :

print('\n',end=’’)

for i in x:

print(str(i).ljust(15) , end = '|')

except Exception as e:

print(e)

mysel.close()

create\_table()

insert\_rows()

output

Enter the game number = 213

Enter the name of game = shoot the rabbit

Enter the number of players = 700

WANNA ENTER MORE VALUES(y/n) : n

Game No. Game Name No. of Player

121 |fifa 04 |500 |

325 |bounce |900 |

213 |shoot the rabbit |700 |

#Q3 Write a program using interface between Python and MySQL to do the following :

#1)To create a table GAME in MySQL.

#2)Add records in it by taking values from user at run time.

#3)To display all students who have got a particular grade given by user(ripunjay,manasvi)

import mysql.connector as my

mysel=my.connect(host='127.0.0.1',user='root',passwd='',database='xaviers')

mycursor=mysel.cursor()

def create\_table() :

try:

query = "create table if not exists game (Rno integer primary key,\

Class integer ,\

Name varchar(20) not null,\

Game varchar(20),\

Grade varchar(20) not null)"

mycursor.execute(query)

except Exception as e:

print(e)

def insert\_rows() :

try :

while True :

Rno = int(input('\nEnter the roll number = '))

Class = int(input('Enter the class = '))

Name = input('Enter the name of player = ')

Game = input('Enter the game of player = ')

Grade = input('Enter the grade of player = ')

query = f"insert into game values({Rno},{Class},'{Name}','{Game}','{Grade}')"

mycursor.execute(query)

ans = input('\n WANNA ENTER MORE VALUES(y/n) : ')

if ans.lower() == 'n' :

break

mysel.commit()

except Exception as e:

print(e)

def display() :

try:

grade = input(' Enter the grade for which the students are to be displayed = ')

query = f"select \* from game where Grade='{grade}' "

mycursor.execute(query)

myrecords = mycursor.fetchall()

c = mycursor.rowcount

if c == 0 :

print('Not Found')

else :

print('Rno'.ljust(15), 'Class'.ljust(15),'Name'.ljust(15),'Game'.ljust(15),'Grade'.ljust(15))

for x in myrecords :

print('\n',end='')

for i in x :

print(str(i).ljust(5) , end = '|')

except Exception as e :

print(e)

create\_table()

insert\_rows()

display()

mysel.close()

output

Enter the roll number = 121

Enter the class = 2

Enter the name of player = porush

Enter the game of player = cricket

Enter the grade of player = c

WANNA ENTER MORE VALUES(y/n) : n

Enter the grade for which the students are to be displayed = c

Rno Class Name Game Grade

121 |2 |raj |hide and seek |c

901 |32 |edwin |futbol |c

987 |1 |porush |cricket |c |

#Q4)Write a program using interface between Python and MySQL to do the following : [5]

# a) Create the given table ORDERS with the given structure

# b) To add records in the given table by taking values from user at run.

# c) Delete a record from table for a given order number.

# d) Display all the records of the table (ripunjay,manasvi)

import mysql.connector as my

mysel=my.connect(host='localhost',user='root',passwd='',database='xaviers')

mycursor=mysel.cursor()

def create\_table() :

try:

query = "create table if not exists ORDERS (Order\_no integer(10) primary key ,\

Client\_name varchar(30) ,\

Client\_loc varchar(30) ,\

Orders integer(10) ,\

Payments integer(10))

mycursor.execute(query)

except exception as e:

print(e)

def add\_records() :

try :

while True :

Order\_no = int(input('Enter the order number = '))

Client\_name = input('Enter the Client name = ')

Client\_loc = input('Enter the location of client = ')

Orders = int(input('Enter the number of orders = '))

Payments = int(input('Enter the amount of payments = '))

query = f"insert into game values({Order\_no},'{Client\_name}','{Client\_loc}',{Orders},{Payments})"

mycursor.execute(query)

ans = input('WANNA ENTER MORE VALUES(y/n) : ')

if ans.lower() == 'n' :

break

except exception as e:

print(e)

mycursor.commit()

def del\_rec() :

try :

ord\_num = int(input('\n Enter the order number for which the record is to be deleted = '))

query = f"delete from employee where Order\_no = {ord\_num}"

mycursor.execute(query)

mycursor.commit()

def display\_all() :

try:

query = f"select \* from ORDERS"

mycursor.execute(query)

myrecords = mycursor.fetchall()

c = mycursor.rowcount

if c == 0 :

print('Not Found')

else :

print('Order\_no'.ljust(15), 'Client\_name'.ljust(15),'Client\_loc'.ljust(15),'Orders'.ljust(15),'Payments'.ljust(15))

for x in myrecords :

print('\n',end='')

for i in x :

print(str(i).ljust(10) , end = '|')

except Exception as e :

print(e)

create\_table()

add\_records()

del\_rec()

display\_all()

mysel.close()

**output**

Enter the order number = 34

Enter the Client name = edwin

Enter the location of player = us

Enter the number of orders = 3

Enter the amount of payments = 2000

WANNA ENTER MORE VALUES(y/n) : y

Enter the order number = 67

Enter the Client name = holsvsv

Enter the location of player = e-4

Enter the number of orders = 5

Enter the amount of payments = 450

WANNA ENTER MORE VALUES(y/n) : y

Enter the order number = 12

Enter the Client name = prokrat

Enter the location of player = b-19

Enter the number of orders = 100

Enter the amount of payments = 12000

WANNA ENTER MORE VALUES(y/n) : n

Enter the order number for which the record is to be deleted = 12

Order\_no Client\_name Client\_loc Orders Payments

34 |edwin |us |3 |2000 |

67 |holsvsv |e-4 |10 |450 |