Name:-Yogesh Kokal

Date:1 April 2021

Assignment:-3

Q1)print todays date in DD-MM-YYYY format and extract year from todays date and print on console.

```
from datetime import date
today = date.today()
fdate = date.today().strftime('%d/%m/%Y')
print("Today Date in dd/mm/YYYY format:-", fdate)
fdate1 = date.today().strftime('%Y')
print("Extracted Year:-", fdate1)
```

Output:

```
PS E:\Yogi\Django Internship\Assignment3> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "e:/Yogi/Django Internship/Assignment3/date.py"
Today Date in dd/mm/YYYY format:- 01/04/2021
Extracted Year:- 2021
PS E:\Yogi\Django Internship\Assignment3>
```

Q2 take any input from user and convert it in tuple and display converted output

```
a=input("Enter something:")
print("The original outupt",a)
t=tuple(a)
print("The converted to tupple output",t)
```

Output:-

```
PS E:\Yogi\Django Internship\Assignment3> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "e:/Yogi/Django Internship/Assignment3/convtupple.py"
Enter something:Yogi123
The original outupt Yogi123
The converted to tupple output ('Y', 'o', 'g', 'i', '1', '2', '3')
PS E:\Yogi\Django Internship\Assignment3>
```

Q3)Perform CURD operation using python & Mysql:-

1. Insert student info in table - i.e. name,branch,standard,roll no

```
import MySQLdb
try:
    query1="insert into studentinfo values('Sumit','Mech','BE','23')"

    mycon=MySQLdb.connect(host="localhost" ,user="root", passwd="",database="stud
entdb")
    cur=mycon.cursor()
    cur.execute(query1)
    mycon.commit()
    print("Values are inserted in table successfully")

except:
    if mycon!=None:
        mycon.rollback()
        print("DB connection has some issue...or table is not created")
finally:
    cur.close()
    print("Cursor close.....")
    mycon.close()
    print("Connection close....")
```

Output:

name ▼ 1	branch	std	rollno
Yogesh	CSE	BE	73
Vinay	CSE	BE	75
Vaibhav	E&TC	TE	62
Sumit	Mech	BE	23
Omkar	Mech	SE	45

2)Update student Info : i.e. student branch

```
import MySQLdb
try:
    query1="update studentinfo set branch='Civil' where branch='Mech'"

    mycon=MySQLdb.connect(host="localhost" ,user="root", passwd="",database="stud
entdb")
    cur=mycon.cursor()
    cur.execute(query1)
    mycon.commit()
    print("Table Updated Successfully..!")
    for row in tdata:
        print("\nName:",row[0])
        print("\nBranch:",row[1])
        print("\nStd:",row[2])
        print("\nRoll_No:",row[3])


except:
    if mycon!=None:
        mycon.rollback()
        print("DB connection has some issue...or Datais not Updated")
finally:
    cur.close()
    print("Cursor close......")
    mycon.close()
    print("Connection close....")
```

Output

1.Before update

name ▼ 1	branch	std	rollno
Yogesh	CSE	BE	73
Vinay	CSE	BE	75
Vaibhav	E&TC	TE	62
Sumit	Mech	BE	23
Omkar	Mech	SE	45

2.After Update

name ▼ 1	branch	std	rollno
Yogesh	CSE	BE	73
Vinay	CSE	BE	75
Vaibhav	E&TC	TE	62
Sumit	Civil	BE	23
Omkar	Civil	SE	45

3)Delete student row where branch is Civil

```
import MySQLdb
try:
    query1="delete from studentinfo where branch='Civil'"

    mycon=MySQLdb.connect(host="localhost" ,user="root", passwd="",database="stud
entdb")
    cur=mycon.cursor()
    cur.execute(query1)
    tdata=cur.fetchall()
    mycon.commit()
    print("Table row deleted Successfully..!")
    for row in tdata:
        print("\nName:",row[0])
        print("\nBranch:",row[1])
        print("\nStd:",row[2])
        print("\nRoll_No:",row[3])


except:
    if mycon!=None:
        mycon.rollback()
        print("DB connection has some issue...or Table row not deleted")
finally:
    cur.close()
    print("Cursor close......")
    mycon.close()
    print("Connection close....")
```

Output:-

1.Before delete row where branch is Civil

name ▼ 1	branch	std	rollno
Yogesh	CSE	BE	73
Vinay	CSE	BE	75
Vaibhav	E&TC	TE	62
Sumit	Civil	BE	23
Omkar	Civil	SE	45

2.After delete row where branch is Civil

name ▼ 1	branch	std	rollno
Yogesh	CSE	BE	73
Vinay	CSE	BE	75
Vaibhav	E&TC	TE	62

4. Show student info on console

```
import MySQLdb
try:
    query1="select * from studentinfo"

    mycon=MySQLdb.connect(host="localhost" ,user="root", passwd="",database="stud
entdb")
    cur=mycon.cursor()
    cur.execute(query1)
    tdata=cur.fetchall()
    print("Featch all data from table")
    for row in tdata:
        print("\nName:",row[0])
        print("Branch:",row[1])
        print("Std:",row[2])
        print("Roll_No:",row[3])


except:
    if mycon!=None:
        mycon.rollback()
        print("DB connection has some issue...or Datais not Fetched")
```

```
finally:
    cur.close()
    print("Cursor close......")
    mycon.close()
    print("Connection close....")
```

Output:-

```
PS E:\Yogi\Django Internship\Assignment3> & C:/Users/ASUS/AppData/Local/Programs/Python/Python39/python.exe "e:/Yogi/Django Internship/Assignment3/CRUD/featch.py"
Featch all data from table

Name: Yogesh
Branch: CSE
Std: BE
Roll_No: 73

Name: Vinay
Branch: CSE
Std: BE
Roll_No: 75

Name: Vaibhav
Branch: E&TC
Std: TE
Roll_No: 62
Cursor close......
Connection close....
PS E:\Yogi\Django Internship\Assignment3>
```