

Assignment 2

Q. 1) Print today's date in DD-MM-YYYY format. Extract year from today's date and print on console.

Ans.

Code:

```
import datetime
print("Today's Date(DD-MM-YYYY): ",end="")
date=datetime.date.today().strftime("%d-%m-%Y")
print(date)
print("Extracted year:",date[6:])
```

Output:

```
C:\Users\Yogesh Maindargi\Desktop\Django Internship\Assignment 3>python date.py
Today's Date(DD-MM-YYYY): 01-04-2021
Extracted year: 2021
```

Q. 2) Take any input from user and convert it in tuple display converted output.

Ans.

Code:

```
input=input("Enter Input: ")
print("Original Input:",input,type(input))
p=tuple(input)
print(p,type(p))
```

Output:

```
C:\Users\Yogesh Maindargi\Desktop\Django Internship\Assignment 3>python tuple.py
Enter Input: fafe5
Original Input: fafe5 <class 'str'>
('f', 'a', 'f', 'e', '5') <class 'tuple'>
```

Q. 3) Perform CRUD operation using python & MySQL

Ans.

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

Insert.py

Code:

```
import MySQLdb
try:
    query="insert into student values('Kavita','Elec','FE','62')"
    mycon=MySQLdb.connect(host="localhost" ,user="root", passwd="" ,database="StudentDb")
    cur=mycon.cursor()
    cur.execute(query)
    mycon.commit()
    print("Values Inserted in Table Successfully..!")
except:
    if mycon!=None:
        mycon.rollback()
```

```
        print("DB connection has some issue...Data not Inserted ")
finally:
    cur.close()
    print("Cursor close.....")
    mycon.close()
    print("Connection close....")
```

Output:

<u>NAME</u>	<u>BRANCH</u>	<u>STANDARD</u>	<u>ROLL NO</u>
Yogesh	CSE	FE	54
Madani	CSE	FE	5
Neha	Mech	FE	8
Rajiv	Civil	FE	21
Mahesh	E&TC	FE	76
Kavita	Elec	FE	62

- Update student Info: i.e., student branch

update.py

Code:

```
import MySQLdb
try:
    query="update student set branch='Mech' where branch='E&TC'"
    mycon=MySQLdb.connect(host="localhost" ,user="root", passwd="" ,database="
StudentDb")
    cur=mycon.cursor()
    cur.execute(query)
    tdata=cur.fetchall()
    mycon.commit()
    print("Table Updated Successfully..!")
except:
    if mycon!=None:
        mycon.rollback()
        print("\nDB connection has some issue...or Data not Updated ")
finally:
    cur.close()
    print("\nCursor close.....")
    mycon.close()
    print("\nConnection close....")
```

Name: - Yogesh Maindargi
Roll No.: - A-54

Date: - 01 Apr. 21

Output:

<u>NAME</u>	<u>BRANCH</u>	<u>STANDARD</u>	<u>ROLL_NO</u>
Yogesh	CSE	FE	54
Madani	CSE	FE	5
Neha	Mech	FE	8
Rajiv	Civil	FE	21
Maresh	Mech	FE	76
Kavita	Elec	FE	62

- Delete student row where branch is Mechanical

delete.py

Code:

Output:

<u>NAME</u>	<u>BRANCH</u>	<u>STANDARD</u>	<u>ROLL_NO</u>
Yogesh	CSE	FE	54
Madani	CSE	FE	5
Neha	Mech	FE	8
Rajiv	Civil	FE	21
Maresh	Mech	FE	76
Kavita	Elec	FE	62

<u>NAME</u>	<u>BRANCH</u>	<u>STANDARD</u>	<u>ROLL_NO</u>
Yogesh	CSE	FE	54
Madani	CSE	FE	5
Rajiv	Civil	FE	21
Kavita	Elec	FE	62

- Show student info on console

show.py

Code:

```
import MySQLdb
try:
    query="select * from student"
    mycon=MySQLdb.connect(host="localhost" ,user="root", passwd="" ,database="
StudentDb")
    cur=mycon.cursor()
    cur.execute(query)
    tdata=cur.fetchall()
    print("Fetch all values from Table...!")
    print("+-----+-----+-----+-----+")
    print("|      NAME      |      BRANCH      |      STANDARD      |      ROLL_NO      |")
    print("+-----+-----+-----+-----+")
    for row in tdata:
        print("|      ",row[0],"\t|      ",row[1],"\t|      ",row[2],"\t|      ",row[3]
,',\t |')
    print("+-----+-----+-----+-----+")
except:
    if mycon!=None:
        mycon.rollback()
        print("\nDB connection has some issue...Data not Inserted ")
finally:
    cur.close()
    print("\nCursor close.....")
    mycon.close()
    print("\nConnection close....")
```

Output:

On server:

<u>NAME</u>	<u>BRANCH</u>	<u>STANDARD</u>	<u>ROLL_NO</u>
Yogesh	CSE	FE	54
Madani	CSE	FE	5
Rajiv	Civil	FE	21
Kavita	Elec	FE	62

Name: - Yogesh Maindargi
Roll No.: - A-54

Date: - 01 Apr. 21

Output>>

```
C:\Users\Yogesh Maindargi\Desktop\Django Internship\Assignment 3\mySql_connectivity>python show.py
Fetch all values from Table...!
+-----+-----+-----+-----+
|  NAME  |  BRANCH  |  STANDARD  |  ROLL_NO  |
+-----+-----+-----+-----+
|  Yogesh  |  CSE  |  FE  |  54  |
|  Madani  |  CSE  |  FE  |  5  |
|  Rajiv  |  Civil  |  FE  |  21  |
|  Kavita  |  Elec  |  FE  |  62  |
+-----+-----+-----+-----+

Cursor close.....

Connection close....
```
