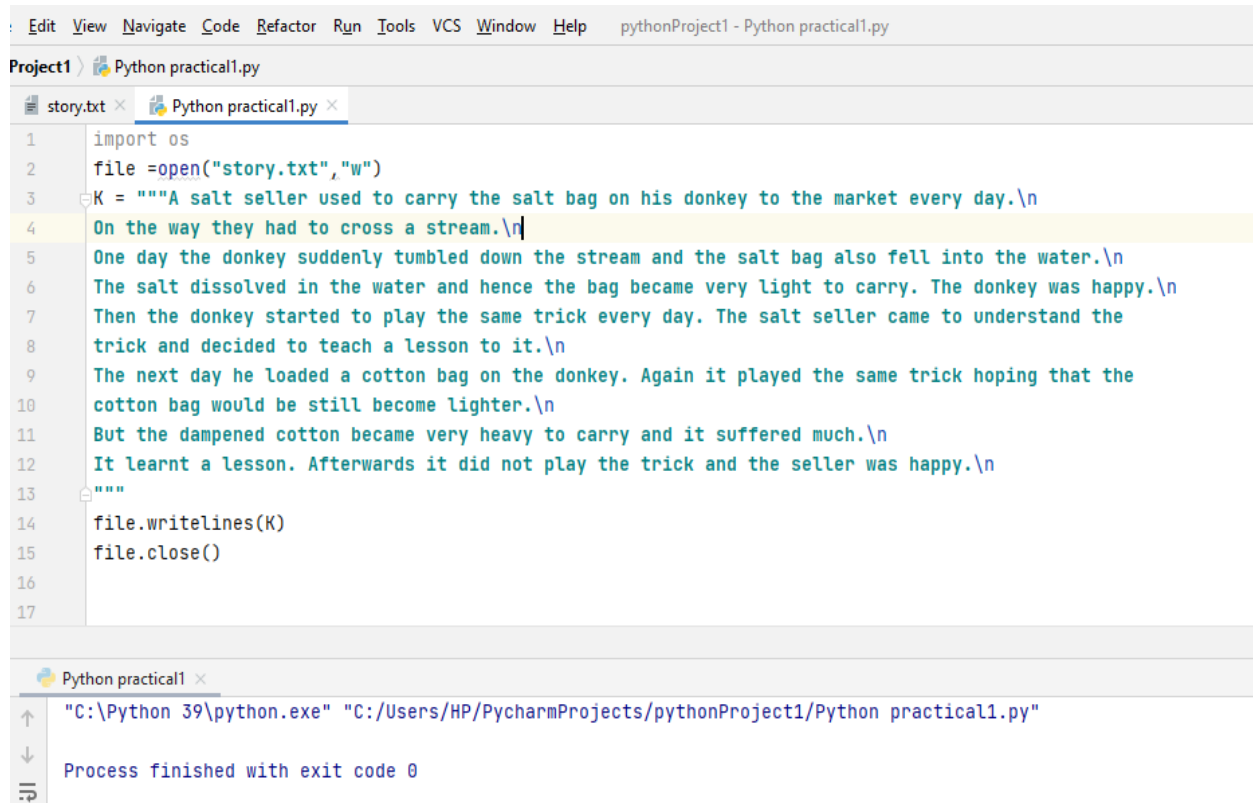


# PRACTICAL:1

## Program to read and write files.

1 Create a text file “story.txt” and put a story of your choice.

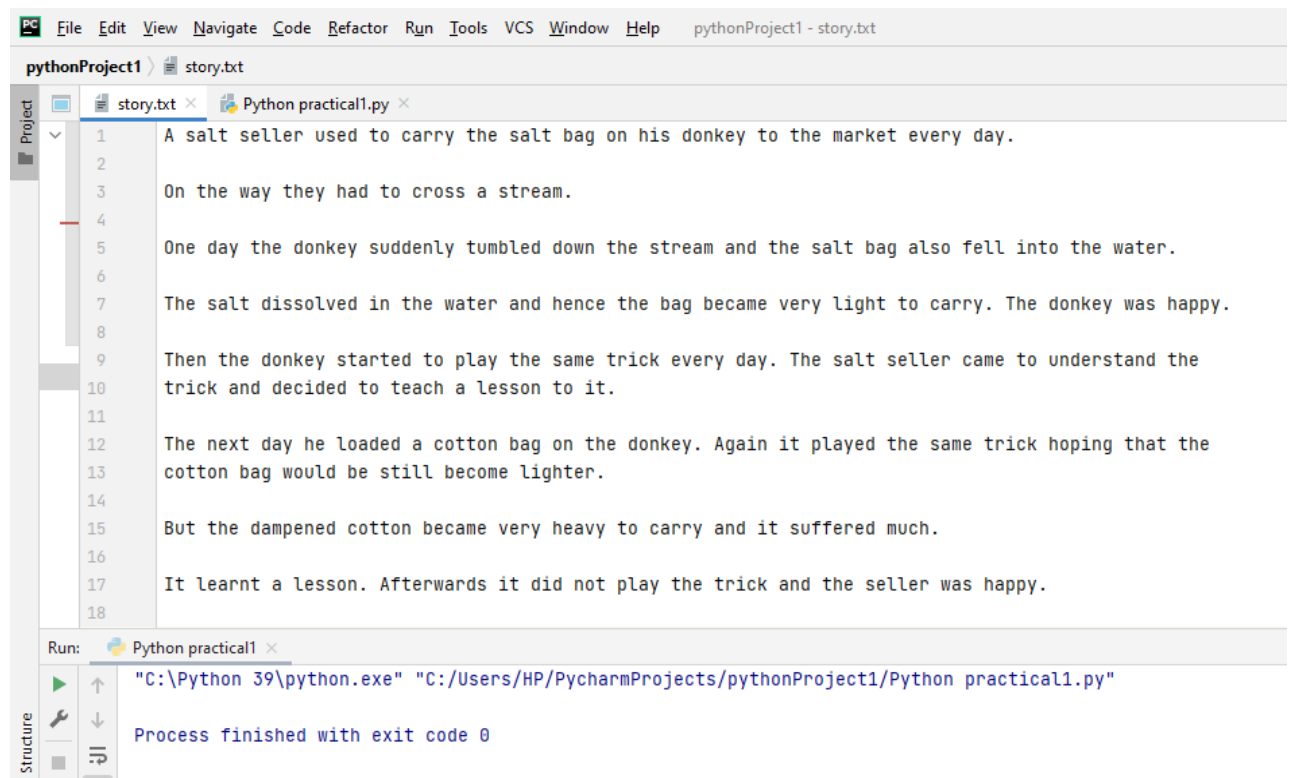


```
1 import os
2 file = open("story.txt", "w")
3 K = """A salt seller used to carry the salt bag on his donkey to the market every day.\n
4 On the way they had to cross a stream.\n
5 One day the donkey suddenly tumbled down the stream and the salt bag also fell into the water.\n
6 The salt dissolved in the water and hence the bag became very light to carry. The donkey was happy.\n
7 Then the donkey started to play the same trick every day. The salt seller came to understand the
8 trick and decided to teach a lesson to it.\n
9 The next day he loaded a cotton bag on the donkey. Again it played the same trick hoping that the
10 cotton bag would be still become lighter.\n
11 But the dampened cotton became very heavy to carry and it suffered much.\n
12 It learnt a lesson. Afterwards it did not play the trick and the seller was happy.\n
13 """
14 file.writelines(K)
15 file.close()
```

Python practical1

"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/Python practical1.py"

Process finished with exit code 0



```
1 A salt seller used to carry the salt bag on his donkey to the market every day.
2
3 On the way they had to cross a stream.
4
5 One day the donkey suddenly tumbled down the stream and the salt bag also fell into the water.
6
7 The salt dissolved in the water and hence the bag became very light to carry. The donkey was happy.
8
9 Then the donkey started to play the same trick every day. The salt seller came to understand the
10 trick and decided to teach a lesson to it.
11
12 The next day he loaded a cotton bag on the donkey. Again it played the same trick hoping that the
13 cotton bag would be still become lighter.
14
15 But the dampened cotton became very heavy to carry and it suffered much.
16
17 It learnt a lesson. Afterwards it did not play the trick and the seller was happy.
18
```

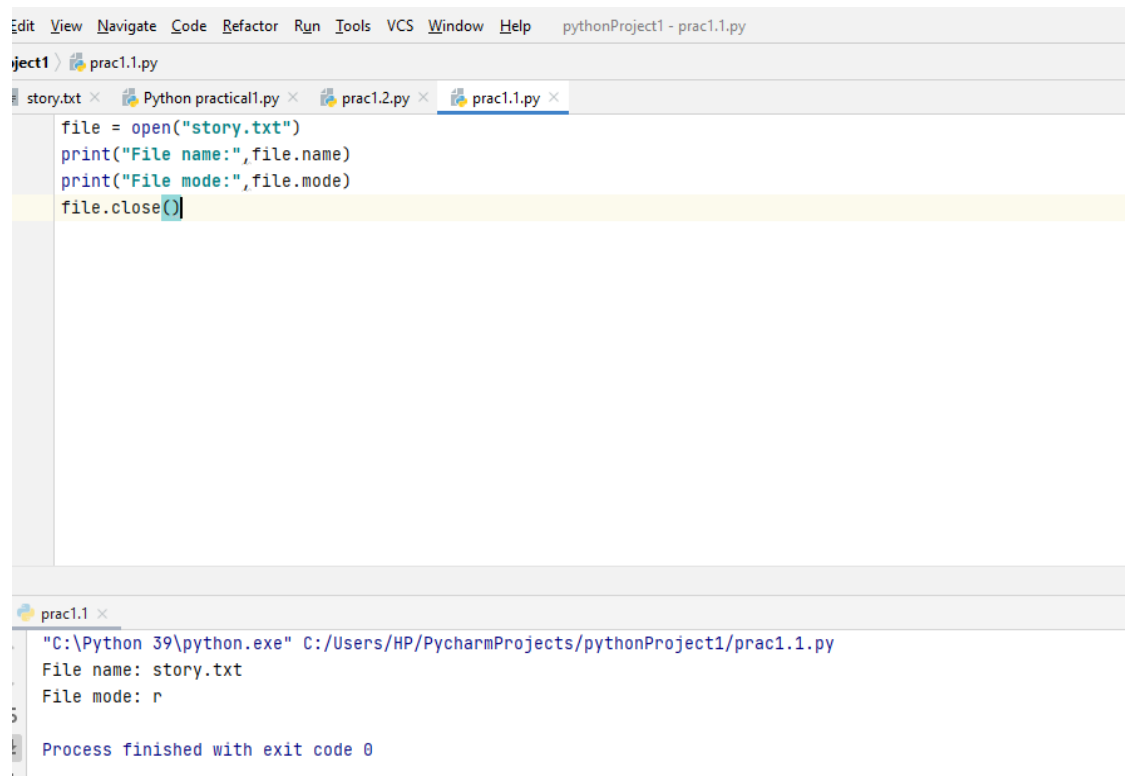
Run: Python practical1

"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/Python practical1.py"

Process finished with exit code 0

2 Write code for following: -

1 Display the name of the file and mode in which it is opened.



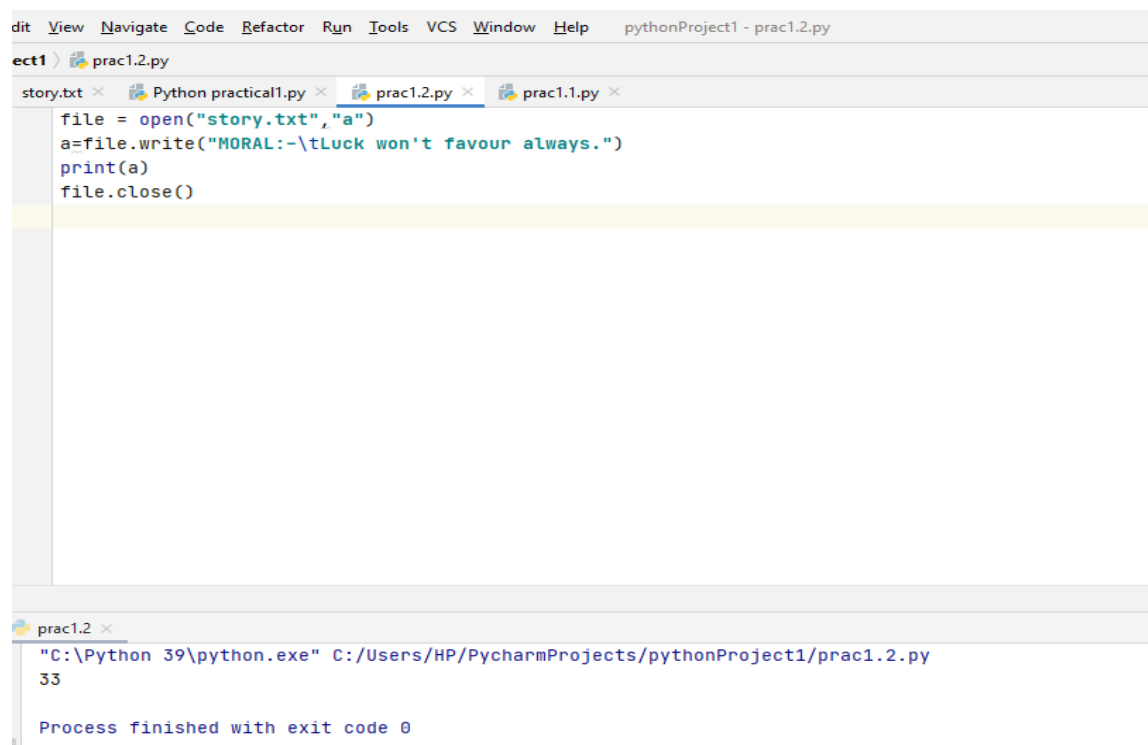
The screenshot shows the PyCharm IDE interface. The top menu bar includes Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. The project name is 'pythonProject1' and the current file is 'prac1.1.py'. The code editor displays the following Python code:

```
file = open("story.txt")
print("File name:", file.name)
print("File mode:", file.mode)
file.close()
```

The Run tool window at the bottom shows the execution output for 'prac1.1':

```
"C:\Python 39\python.exe" C:/Users/HP/PycharmProjects/pythonProject1/prac1.1.py
File name: story.txt
File mode: r
Process finished with exit code 0
```

2 Append a Moral at line the end of file.



The screenshot shows the PyCharm IDE interface. The top menu bar includes Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, and Help. The project name is 'pythonProject1' and the current file is 'prac1.2.py'. The code editor displays the following Python code:

```
file = open("story.txt", "a")
a=file.write("MORAL:-\tLuck won't favour always.")
print(a)
file.close()
```

The Run tool window at the bottom shows the execution output for 'prac1.2':

```
"C:\Python 39\python.exe" C:/Users/HP/PycharmProjects/pythonProject1/prac1.2.py
33
Process finished with exit code 0
```

```
1 A salt seller used to carry the salt bag on his donkey to the market every day.
2
3 On the way they had to cross a stream.
4
5 One day the donkey suddenly tumbled down the stream and the salt bag also fell into the water.
6
7 The salt dissolved in the water and hence the bag became very light to carry. The donkey was happy.
8
9 Then the donkey started to play the same trick every day. The salt seller came to understand the
10 trick and decided to teach a lesson to it.
11
12 The next day he loaded a cotton bag on the donkey. Again it played the same trick hoping that the
13 cotton bag would be still become lighter.
14
15 But the dampened cotton became very heavy to carry and it suffered much.
16
17 It learnt a lesson. Afterwards it did not play the trick and the seller was happy.
18
19 MORAL:- Luck won't favour always.]
```

### 3 Display the story line by line.

```
file = open("story.txt", "r")
content = file.read()
print(content, "\n")
file.close()
```

"C:\Python 39\python.exe" C:/Users/HP/PycharmProjects/pythonProject1/prac1.3.py

A salt seller used to carry the salt bag on his donkey to the market every day.

On the way they had to cross a stream.

One day the donkey suddenly tumbled down the stream and the salt bag also fell into the water.

The salt dissolved in the water and hence the bag became very light to carry. The donkey was happy.

Then the donkey started to play the same trick every day. The salt seller came to understand the trick and decided to teach a lesson to it.

The next day he loaded a cotton bag on the donkey. Again it played the same trick hoping that the cotton bag would be still become lighter.

But the dampened cotton became very heavy to carry and it suffered much.

It learnt a lesson. Afterwards it did not play the trick and the seller was happy.

MORAL:- Luck won't favour always.

### 4 Retrieve the position of the line where moral starts.

```
View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - prac1.4.py
1 > prac1.4.py
story.txt x Python practical1.py x prac1.2.py x prac1.3.py x prac1.4.py x prac1.1.py x
file = open("story.txt","rt")
a=file.read()
b=a.find("MORAL")
print(b)
|

prac1.4 x
"C:\Python 39\python.exe" C:/Users/HP/PycharmProjects/pythonProject1/prac1.4.py
758

Process finished with exit code 0
```

5 Rename the file to the name of the story which you have written.

```
Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - prac1.5.py
project1 > prac1.5.py
prac1.5.py x The foolish donkey.txt x prac1.6.py x
1 import os
2 os.rename(r"story.txt", r"The foolish donkey.txt")
3

prac1.5 x
"C:\Python 39\python.exe" C:/Users/HP/PycharmProjects/pythonProject1/prac1.5.py

Process finished with exit code 0
```

The screenshot shows the PyCharm IDE interface. The top menu bar includes 'Edit', 'View', 'Navigate', 'Code', 'Refactor', 'Run', 'Tools', 'VCS', 'Window', and 'Help'. The title bar indicates the project is 'pythonProject1 - The foolish donkey.txt'. The main editor window displays the content of 'The foolish donkey.txt' with line numbers 1 through 19. The text describes a story about a salt seller and a donkey. The bottom panel shows the 'Run' output, indicating that 'prac1.5.py' was executed successfully with exit code 0.

```
1 A salt seller used to carry the salt bag on his donkey to the market every day.  
2  
3 On the way they had to cross a stream.  
4  
5 One day the donkey suddenly tumbled down the stream and the salt bag also fell into the water.  
6  
7 The salt dissolved in the water and hence the bag became very light to carry. The donkey was happy.  
8  
9 Then the donkey started to play the same trick every day. The salt seller came to understand the  
10 trick and decided to teach a lesson to it.  
11  
12 The next day he loaded a cotton bag on the donkey. Again it played the same trick hoping that the  
13 cotton bag would be still become lighter.  
14  
15 But the dampened cotton became very heavy to carry and it suffered much.  
16  
17 It learnt a lesson. Afterwards it did not play the trick and the seller was happy.  
18  
19 MORAL:- Luck won't favour always.
```

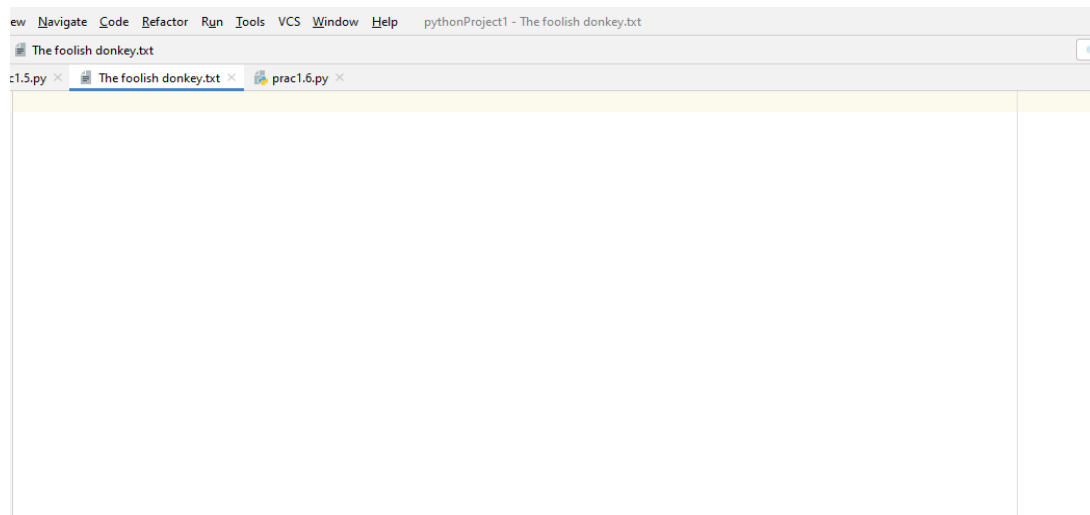
Run Output:  
"C:\Python 39\python.exe" C:/Users/HP/PycharmProjects/pythonProject1/prac1.5.py  
Process finished with exit code 0

## 7 Delete the content of the file.

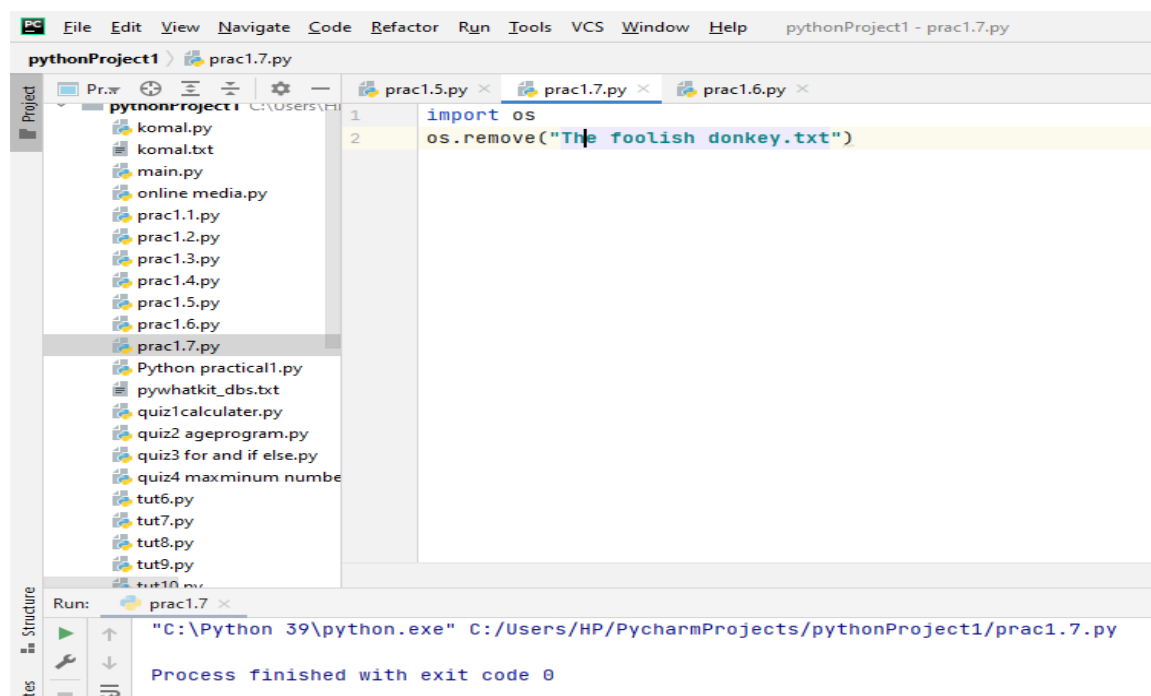
The screenshot shows the PyCharm IDE interface. The top menu bar includes 'Edit', 'View', 'Navigate', 'Code', 'Refactor', 'Run', 'Tools', 'VCS', 'Window', and 'Help'. The title bar indicates the project is 'pythonProject1 - prac1.6.py'. The main editor window displays the content of 'prac1.6.py' with line numbers 1 through 4. The code uses the 'open' function to open 'The foolish donkey.txt' in 'r+' mode, seeks to the beginning, truncates the file, and then closes it. The bottom panel shows the 'Run' output, indicating that 'prac1.6.py' was executed successfully with exit code 0.

```
1 file = open("The foolish donkey.txt", "r+")  
2 file.seek(0)  
3 file.truncate()  
4 file.close()
```

Run Output:  
"C:\Python 39\python.exe" C:/Users/HP/PycharmProjects/pythonProject1/prac1.6.py  
Process finished with exit code 0



8 Delete the file.



PRACTICAL 2: Program with iterables and iterators.

Code:

iterator and iterate.py - C:\Users\HP\iterator and iterate.py (3.8.8)

File Edit Format Run Options Window Help

```
# define a list
my_list = [4,7,0,3]
#get an iterator using iter()
my_iter = iter(my_list)

#iterate through it using next()
#output4
print(next(my_iter))
#output7
print(next(my_iter))

#next(obj) is same as obj.__next__()

#output0
print(my_iter.__next__())

#output3
print(my_iter.__next__())

# this is raise error when no items are left
#next(my_iter)
```

Output:

IDLE Shell 3.8.8

File Edit Shell Debug Options Window Help

Python 3.8.8 (tags/v3.8.8:024d805, Feb 19 2021, 13:18:16) [MSC v.1928 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: C:\Users\HP\iterator and iterate.py =====

4

7

0

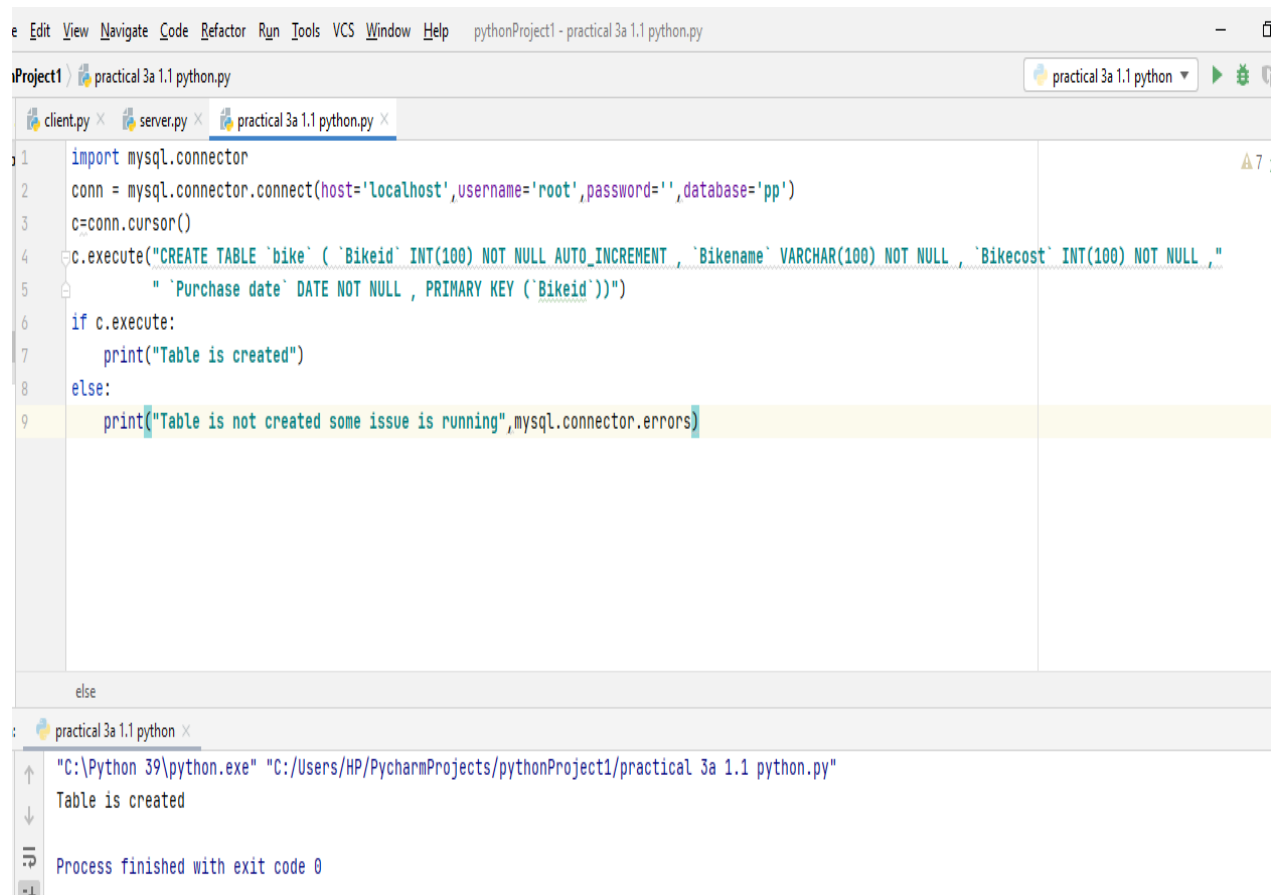
3

>>> |

**PRACTICAL 3: Program to connect to DB and execute various SQL queries.**

**Practical 3a: 1. Create a table Bike containing the following columns :-**  
Bikeid integer primary key, Bikename, bikecost, purchase date.

## CODE:



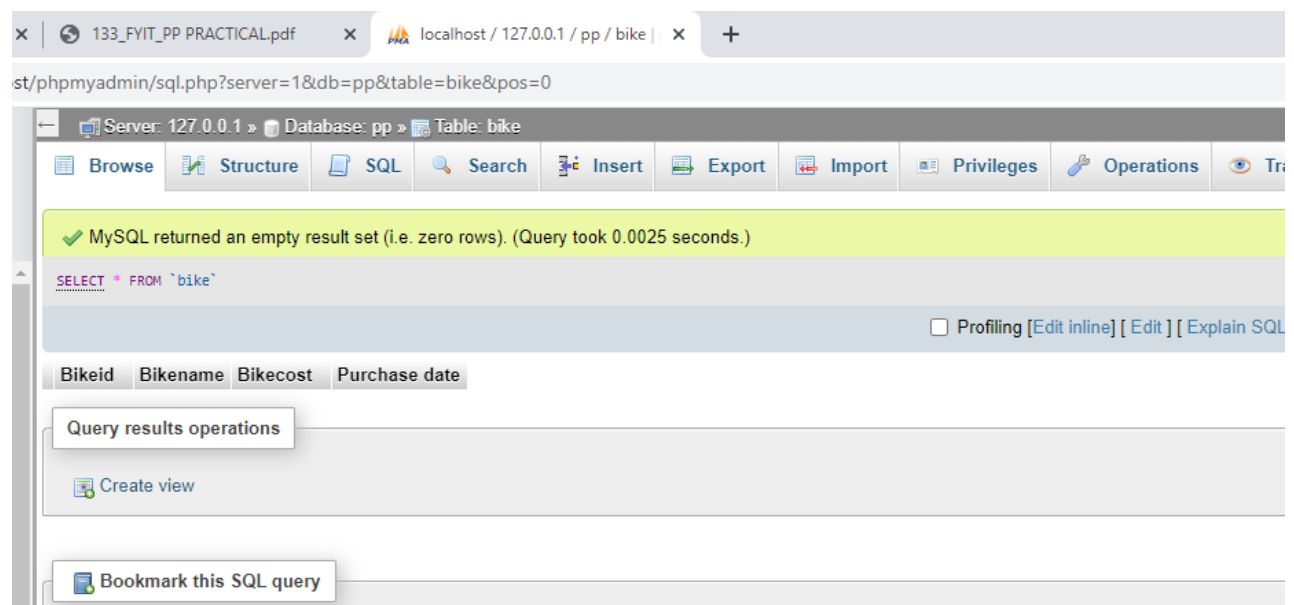
The screenshot shows the PyCharm IDE with a project named 'pythonProject1'. The main editor displays a file 'practical 3a 1.1 python.py' with the following Python code:

```
1 import mysql.connector
2 conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
3 c=conn.cursor()
4 c.execute("CREATE TABLE `bike` ( `Bikeid` INT(100) NOT NULL AUTO_INCREMENT , `Bikename` VARCHAR(100) NOT NULL , `Bikecost` INT(100) NOT NULL , "
5         " `Purchase date` DATE NOT NULL , PRIMARY KEY (`Bikeid`))")
6 if c.execute:
7     print("Table is created")
8 else:
9     print("Table is not created some issue is running",mysql.connector.errors)
```

The output console at the bottom shows the execution of the script:

```
"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/practical 3a 1.1 python.py"
Table is created
Process finished with exit code 0
```

## OUTPUT:



The screenshot shows a web browser with the URL `localhost / 127.0.0.1 / pp / bike`. The page displays the phpMyAdmin interface for the 'bike' table in the 'pp' database. The status bar indicates: "MySQL returned an empty result set (i.e. zero rows). (Query took 0.0025 seconds.)". The SQL query entered is `SELECT * FROM `bike``. The table structure is shown with columns: Bikeid, Bikename, Bikecost, and Purchase date. The interface includes tabs for Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, and Triggers. There are also buttons for "Query results operations", "Create view", and "Bookmark this SQL query".



## 2. Insert 2 records.

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - Practical 3a 1.2 python.py
Practical 3a 1.2 python.py
client.py x server.py x practical 3a 1.1 python.py x Practical 3a 1.2 python.py x Practical 3a 1.3 python.py x Practical 3a 1.4 p
import mysql.connector
conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
c=conn.cursor()
row1=("INSERT INTO `bike`(`Bikeid`, `Bikename`, `Bikecost`, `Purchase date`) "
      "VALUES (1,'HONDA',200000,'2021-04-15')")
row2=("INSERT INTO `bike`(`Bikeid`, `Bikename`, `Bikecost`, `Purchase date`) "
      "VALUES (2,'TVS Jupiter',500000,'2021-03-16')")
c.execute(row1)
c.execute(row2)

conn.commit()
if c.execute:
    print("Values are inserted")
else:
    print("Values are inserted not created some issue is running")

Practical 3a 1.2 python x
"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/Practical 3a 1.2 python.py"
Values are inserted

Process finished with exit code 0

+ Options
< T > Bikeid Bikename Bikecost Purchase date
[ ] Edit Copy Delete 1 HONDA 200000 2021-04-15
[ ] Edit Copy Delete 2 TVS Jupiter 500000 2021-03-16
↑ [ ] Check all With selected: Edit Copy Delete E
```

## 3. Add a new column sale date

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - Practical 3a 1.3 python.py
Practical 3a 1.3 python.py
client.py x server.py x practical 3a 1.1 python.py x Practical 3a 1.2 python.py x Practical 3a 1.3 python.py x
import mysql.connector
conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
c=conn.cursor()
clm1 = ("ALTER TABLE bike ADD saledate DATE")
c.execute(clm1)
if c.execute:
    print("TABLE ALTERED")
else:
    print("TABLE NOT ALTERED")

if c.execute
Practical 3a 1.3 python x
"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/Practical 3a 1.3 python.py"
TABLE ALTERED

Process finished with exit code 0
```

+ Options

<

4. Change the content of the bikecost to 80,000 for bikeid 1

Code:

dit View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - Practical 3a 1.4 python.py

Practical 3a 1.4 python.py

client.py server.py practical 3a 1.1 python.py Practical 3a 1.2 python.py Practical 3a 1.3 python.py Practical 3a 1.4 python.py

```

import mysql.connector
conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
c=conn.cursor()
mdfy = ("UPDATE bike SET Bikecost=80000 WHERE Bikeid=1")
c.execute(mdfy)
conn.commit()
if c.execute:
    print("column updated")
else:
    print("column is not updated")

```

if c.execute

Practical 3a 1.4 python

"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/Practical 3a 1.4 python.py"
column updated

Process finished with exit code 0

+ Options								
			Bikeid	Bikename	Bikecost	Purchase date	saledate	
<input type="checkbox"/>				1	HONDA	80000	2021-04-15	NULL
<input type="checkbox"/>				2	TVS Jupiter	500000	2021-03-16	NULL
	<input type="checkbox"/> Check all	With selected:						

5. Delete the row for bikename 'HONDA'

Code:

Project1 Practical 3a 1.5 python.py

client.py x server.py x practical 3a 1.1 python.py x Practical 3a 1.2 python.py x Practical 3a 1.3 python.py x Practical 3a 1.4

```

1 import mysql.connector
2 conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
3 c=conn.cursor()
4 delte = ("DELETE FROM bike WHERE Bikename='HONDA';")
5 c.execute(delte)
6 conn.commit()
7 if c.execute:
8     print("column Deleted")
9 else:
10    print("column is not Deleted")

```

Practical 3a 1.5 python x

"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/Practical 3a 1.5 python.py"

column Deleted

Process finished with exit code 0

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	Bikeid	Bikename	Bikecost	Purchase date	saledate
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	TVS Jupiter	500000	2021-03-16	NULL

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

## Practical 3b

View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - practical 3b 1,1 python.py

1 practical 3b 1,1 python.py

practical 3b 1,1 python x

```

import mysql.connector
conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
c=conn.cursor()
c.execute("CREATE TABLE `emp` ( `EMPNO` INT(100) NOT NULL , `ENAME` VARCHAR(100), `JOB` VARCHAR(100), "
        "`MGR` INT(100), `HIREDATE` VARCHAR(100), `SAL` INT(100), "
        "`COMM` INT(100), `DEPTNO` INT(100), PRIMARY KEY (`EMPNO`));")
rw1=("INSERT INTO `emp`(`EMPNO`,`ENAME`,`JOB`,`MGR`,`HIREDATE`,`SAL`,`COMM`,`DEPTNO`) VALUES (7566,'JONES','MANAGER',7839,'02-APR-87',2975,'',20) ")
rw2=("INSERT INTO `emp`(`EMPNO`,`ENAME`,`JOB`,`MGR`,`HIREDATE`,`SAL`,`COMM`,`DEPTNO`) VALUES(7698,'BLAKE','MANAGER',7839,'01-MAY-81',2850,'',30) ")
rw3=("INSERT INTO `emp`(`EMPNO`,`ENAME`,`JOB`,`MGR`,`HIREDATE`,`SAL`,`COMM`,`DEPTNO`) VALUES(7834,'ALLEN','SALESMAN',7698,'20-FEB-81',1600,'',30) ")
rw4=("INSERT INTO `emp`(`EMPNO`,`ENAME`,`JOB`,`MGR`,`HIREDATE`,`SAL`,`COMM`,`DEPTNO`) VALUES(7839,'KING','PRESIDENT','',17-NOV-81,5000,'',10) ")
rw5=("INSERT INTO `emp`(`EMPNO`,`ENAME`,`JOB`,`MGR`,`HIREDATE`,`SAL`,`COMM`,`DEPTNO`) VALUES(7900,'JAMES','CLERK',7698,'03-DEC-81',950,'',30) ")
rw6=("INSERT INTO `emp`(`EMPNO`,`ENAME`,`JOB`,`MGR`,`HIREDATE`,`SAL`,`COMM`,`DEPTNO`) VALUES(7934,'MILLER','CLERK',7782,'23-JAN-82',1300,'',20) ")
c.execute(rw1)
c.execute(rw2)
c.execute(rw3)
c.execute(rw4)
c.execute(rw5)
c.execute(rw6)
conn.commit()
if c.execute:
    print("Table is created")
else:
    print("Table is not created some issue is running")

```

practical 3b 1,1 python x

"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/practical 3b 1,1 python.py"

Table is created

PyCharm 2021.1 available  
Update...

18:15 CRLF UTF-8 4 spaces Python 3.9 (pythonProject1)

☐ Show all
 Number of rows: 25
 Filter rows: Search this table
 Sort by key: None

+ Options
 

		EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
<input type="checkbox"/>	Edit	7566	JONES	MANAGER	7839	02-APR-87	2975	0	20
<input type="checkbox"/>	Edit	7698	BLAKE	MANAGER	7839	01-MAY-81	2850	0	30
<input type="checkbox"/>	Edit	7834	ALLEN	SALSEMAN	7698	20-FEB-81	1600	0	30
<input type="checkbox"/>	Edit	7839	KING	PRESIDENT	0	17-NOV-81	5000	0	10
<input type="checkbox"/>	Edit	7900	JAMES	CLERK	7698	03-DEC-81	950	0	30
<input type="checkbox"/>	Edit	7934	MILLER	CLERK	7782	23-JAN-82	1300	0	20

☐ Check all
 With selected: Edit Copy Delete Export

1. Display the details of all employees who are earning salary greater than 1000.

```

it View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - practical 3b 1.2python.py
ct1 > practical 3b 1.2python.py
client.py x server.py x Practical 3a 1.2 python.py x practical 3b 1,1 python.py x practical 3b 1.2python.py x
import mysql.connector
conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
c=conn.cursor()

c.execute("SELECT * FROM EMP WHERE SAL>1000")
result = c.fetchall()
for x in result:
    print(x)

for x in result
practical 3b 1.2python x
"C:\Python 39\python.exe "C:/Users/HP/PycharmProjects/pythonProject1/practical 3b 1.2python.py"
(7566, 'JONES', 'MANAGER', 7839, '02-APR-87', 2975, 0, 20)
(7698, 'BLAKE', 'MANAGER', 7839, '01-MAY-81', 2850, 0, 30)
(7834, 'ALLEN', 'SALSEMAN', 7698, '20-FEB-81', 1600, 0, 30)
(7839, 'KING', 'PRESIDENT', 0, '17-NOV-81', 5000, 0, 10)
(7934, 'MILLER', 'CLERK', 7782, '23-JAN-82', 1300, 0, 20)

Process finished with exit code 0
  
```

2 List the employee in ascending order of their salary.

```
1 import mysql.connector
2 conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
3 c=conn.cursor()
4 c.execute("SELECT * FROM EMP ORDER BY SAL")
5 result = c.fetchall()
6 for x in result:
7     print(x)
```

for x in result

```
"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/practical 3b 1.3python.py"
(7900, 'JAMES', 'CLERK', 7698, '03-DEC-81', 950, 0, 30)
(7934, 'MILLER', 'CLERK', 7782, '23-JAN-82', 1300, 0, 20)
(7834, 'ALLEN', 'SALESMAN', 7698, '20-FEB-81', 1600, 0, 30)
(7698, 'BLAKE', 'MANAGER', 7839, '01-MAY-81', 2850, 0, 30)
(7566, 'JONES', 'MANAGER', 7839, '02-APR-87', 2975, 0, 20)
(7839, 'KING', 'PRESIDENT', 0, '17-NOV-81', 5000, 0, 10)
```

Process finished with exit code 0

3. List the employee whose name have character set 'LL' together.

```
1 import mysql.connector
2 conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
3 c=conn.cursor()
4 c.execute("SELECT ENAME FROM emp WHERE ENAME LIKE '%LL%'")
5 result = c.fetchall()
6 for x in result:
7     print(x)
```

```
"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/practical 3b 1.3python.py"
('ALLEN',)
('MILLER',)
```

Process finished with exit code 0

4. Display the details of all employee who are working as 'MANAGER'.

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - practical 3b 1.3python.py
practical 3b 1.3python.py
client.py x server.py x Practical 3a 1.2 python.py x practical 3b 1,1 python.py x practical 3b 1.2python.py x practical 3b 1.3python.py x
import mysql.connector
conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
c=conn.cursor()
c.execute("SELECT * FROM emp WHERE JOB='MANAGER'")
result = c.fetchall()
for x in result:
    print(x)

for x in result
practical 3b 1.3python x
"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/practical 3b 1.3python.py"
(7566, 'JONES', 'MANAGER', 7839, '02-APR-87', 2975, 0, 20)
(7698, 'BLAKE', 'MANAGER', 7839, '01-MAY-81', 2850, 0, 30)

Process finished with exit code 0
```

## 5. List all the clerks of department 20.

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - practical 3b 1.3python.py
practical 3b 1.3python.py
client.py x server.py x Practical 3a 1.2 python.py x practical 3b 1,1 python.py x practical 3b 1.2python.py x practical 3b 1.3python.py x
import mysql.connector
conn = mysql.connector.connect(host='localhost',username='root',password='',database='pp')
c=conn.cursor()
c.execute("SELECT * FROM emp WHERE DEPTNO=20")
result = c.fetchall()
for x in result:
    print(x)

for x in result
practical 3b 1.3python x
"C:\Python 39\python.exe" "C:/Users/HP/PycharmProjects/pythonProject1/practical 3b 1.3python.py"
(7566, 'JONES', 'MANAGER', 7839, '02-APR-87', 2975, 0, 20)
(7934, 'MILLER', 'CLERK', 7782, '23-JAN-82', 1300, 0, 20)

Process finished with exit code 0
```

PRACTICAL 4: Program to demonstrate the use of regular expression.

CODE:

```
practical 4regularexpressions.py - C:/Users/HP/practical 4regularexpressions.py (3.8.8)
File Edit Format Run Options Window Help

import re
txt="Iam komal"
x=re.search("^I.*ar4",txt)

if x:
    print("Search Successfully")
else:
    print("Search Unsuccessfully")

y=re.findall("any",txt)
if y:
    print("Search Successfully")
else:
    print("Search Unsuccessfully")

z=re.findall("abc",txt)
print("Find all:"+str(z))

w=re.search("\s",txt)
print("The first white space character is located in position:",w.start())

v=re.split("\s",txt,3)
print(v)

u=re.sub("\s","7",txt)
print(u)
```

## OUTPUT:

```
IDLE Shell 3.8.8
File Edit Shell Debug Options Window Help

Python 3.8.8 (tags/v3.8.8:024d805, Feb 19 2021, 13:18:16) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/HP/practical 4regularexpressions.py =====
Search Unsuccessfully
Search Unsuccessfully
Find all:[]
The first white space character is located in position: 3
['Iam', 'komal']
Iam7komal
>>> |
```

## PRACTICAL 5: Program to draw shapes and GUI controls

### 1) Program to show draw shapes.

#### Code:

```

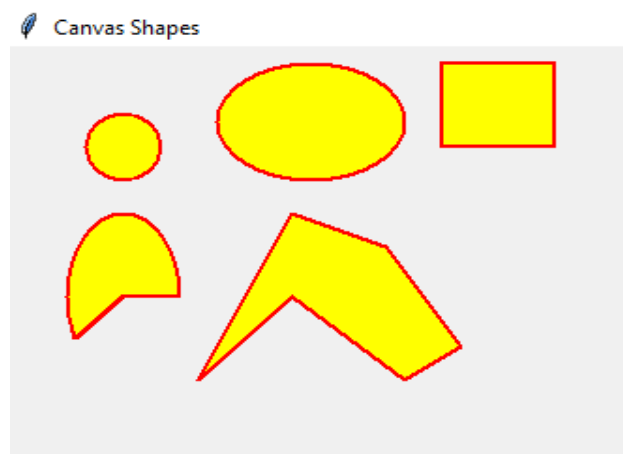
View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - canvasprac.py
1 > canvasprac.py
from tkinter import *
from tkinter import Canvas
win=Tk()
win.title("Canvas Shapes")
canvas=Canvas(win)

canvas.create_oval(40,40,80,80, outline="red",fill="yellow",width=2)
canvas.create_oval(110,10,210,80, outline="red",fill="yellow",width=2)
canvas.create_rectangle(230,10,290,60, outline="red",fill="yellow",width=2)
canvas.create_arc(30,200,90,100,start=0,extent=210, outline="red",fill="yellow",width=2)
points = [[150,100,200,120,240,180,210,200,150,150,100,200]]
canvas.create_polygon(points, outline="red",fill="yellow",width=2)

canvas.pack(fill=BOTH,expand=1)
win.mainloop()

```

Output:



## 2: Mini project

### LOGIN FORM:

```

from tkinter import *
from PIL import Image, ImageTk
import tkinter.messagebox as tmsg
import mysql.connector

root = Tk()
root.title("login page")
root.geometry("1500x800")

#=====function=====
=====
# def value():

```



```

def newpage():
    roote.destroy()
    import register.py
def value():
    try:
        mydb = mysql.connector.connect(host="localhost", user="root", password="
", database="pp")
    except:
        print("you are not connected to server ")
    else:
        print("connection succsful")
        email=userentryvalue.get()
        seq=passentryvalue.get()
        mycursor = mydb.cursor()
        query = "SELECT name,password FROM login"
        mycursor.execute(query)
        for (name,password) in mycursor:
            if email==name and seq==password:
                login=True
                print("loginn success")
                tmsg.showinfo(title="Done", message="You are logged in")
                roote.destroy()
                import twoinone.py
                break
            else:
                login=False
                print("logged in failed")
                # tmsg.showinfo(title="Error", message="Failed to login ")

        # tmsg.showinfo("Notification",f" Hello {userentryvalue.get()} you succes
sfully logged In")
# =====heading=====
=====
Label(roote,text="Welcome To Our Cafe",bg="cyan3",fg="crimson",font=("Times 30
bold italic"),anchor="ne").grid(pady=40,row=0,column=3,ipadx=200)
#=====frame image=====
=====
Image=Image.open("Restaurant.jpg")
Image = Image.resize((300,300))
photo=ImageTk.PhotoImage(Image)
lable1=Label(image=photo,)

```

```

lable1.grid(row=2,column=2,columnspan=3,rowspan=5)

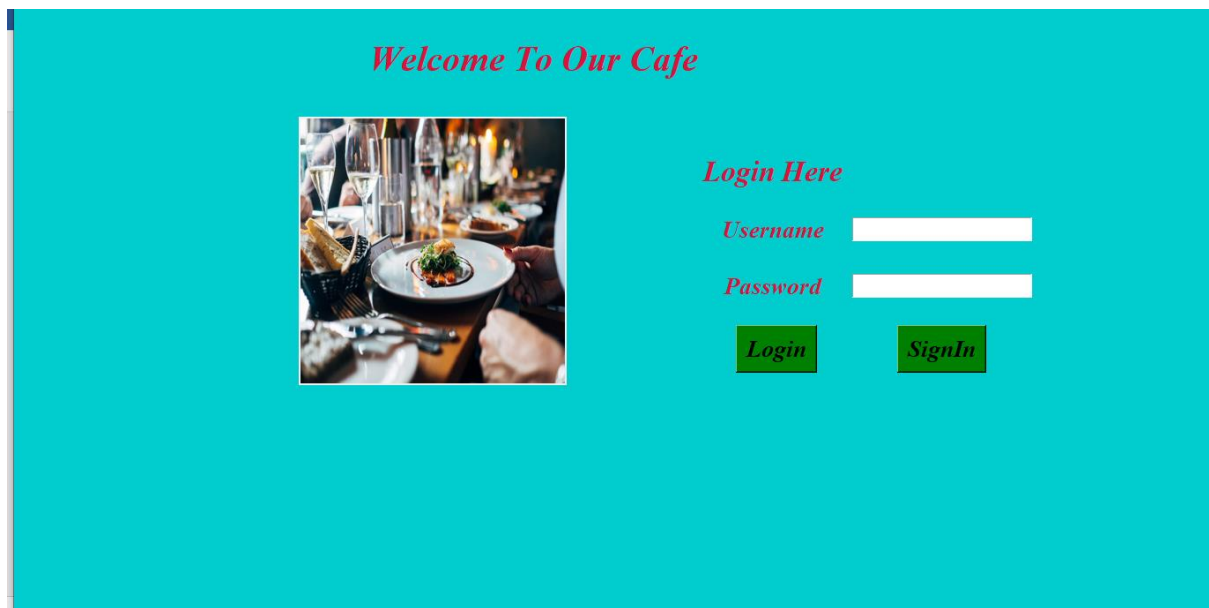
# login input
#database
userentryvalue = StringVar()
passentryvalue=StringVar()


#===== entry widgets=====
=====
f2 = Frame(roote).grid(row=3,column=4)
l1=Label(f2,text="Login Here ",fg="crimson",bg="cyan3",font=("Times 25 bold italic")).grid(row=3,column=4)
Label(f2,text="Username ",fg="crimson",bg="cyan3",font=("Times 20 bold italic")).grid(row=4,column=4)
userentry=Entry(f2,font=("Times 15 bold italic"),textvariable=userentryvalue)
userentry.grid(row=4,column=5)
Label(f2,text="Password ",fg="crimson",bg="cyan3",font=("Times 20 bold italic")).grid(row=5,column=4)
ent1=Entry(f2,font=("Times 15 bold italic"),textvariable=passentryvalue)
ent1.grid(row=5,column=5)
ent1.config(show="*")


#=====login / signin button=====
=====
Button(f2,text="Login",bg="green",font=("Times 20 bold italic"),command=value).grid(row=6,column=4)
Button(f2,text="SignIn",bg="green",font=("Times 20 bold italic"),command=newpage).grid(row=6,column=5)
roote.configure(bg="cyan3")
roote.mainloop()
#=====login page end=====
=====

```

OUTPUT:



REGISTRATION PAGE:

CODE:

```
from tkinter import *
from PIL import Image, ImageTk
import tkinter.messagebox as tmsg
import mysql.connector

#=====registration page=====
=====

win = Tk()
win.title("Registration page")
win.geometry("1500x800")
f1=Frame(win,bg="cyan3",padx=20,pady=50,borderwidth=33,relief=SUNKEN)
f1.grid(row=1,column=5)

# =====functions=====
=====
=

#=====heading=====
=====
=====
Label(win,bg="cyan3",fg="crimson",text="Welcome",font=("Times 30 bold italic"),borderwidth=30,relief=SUNKEN,padx=70,pady=15).grid(row=0,column=4)
Label(win,bg="cyan3",fg="crimson",text="Cafe",font=("Times 30 bold italic"),borderwidth=30,relief=SUNKEN,padx=70,pady=15).grid(row=0,column=7)
#===== text for our form =====
=====
```

```

heading=Label(f1,bg="cyan3",text="Welcome To Our Cafe",font=("Times 30 bold italic"),fg="black").grid(row=0,column=4)
name =Label(f1,text="Username:",bg="cyan3",fg="crimson",font=("Times 20 bold italic"))
Phone =Label(f1,text="Phone:",bg="cyan3",fg="crimson",font=("Times 20 bold italic"))
# Gender =Label(f1,text="Gender:",bg="cyan3",fg="white",font=("Times 20 bold italic"))
Email =Label(f1,text="Email:",bg="cyan3",fg="crimson",font=("Times 20 bold italic"))
Password =Label(f1,text="Password:",bg="cyan3",fg="crimson",font=("Times 20 bold italic"))
# Password.config(show="*")
ConfirmPassword =Label(f1,text="Confirm Password:",bg="cyan3",fg="crimson",font=("Times 20 bold italic"))
# ConfirmPassword.config(show="*")
Payment =Label(f1,text="Payment Mode:",bg="cyan3",fg="crimson",font=("Times 20 bold italic"))
#===== packing text for our form=====
name.grid(row=1,column=3)
Phone.grid(row=2,column=3)
# Gender.grid(row=3,column=3)
Email.grid(row=3,column=3)
Password.grid(row=4,column=3)
ConfirmPassword.grid(row=5,column=3)
Payment.grid(row=6,column=3)
#===== tkinter variables for storing entries=====
namevalue = StringVar() #data base
Phonevalue = StringVar()
# var = StringVar()
# var.set(0)
Emailvalue = StringVar()
Passwordvalue = StringVar() #database
ConfirmPasswordvalue = StringVar()
Paymentvalue = StringVar()
foodservicevalue = IntVar()
#===== Entries for our form=====
nameentry =Entry(f1,textvariable=namevalue)
Phoneentry =Entry(f1,textvariable=Phonevalue)
# b1 = Radiobutton(f1,text="Male",value="Male",variable=var,bg="cyan3",fg="white",font="Helvetica 16 bold")
# b2 = Radiobutton(f1,text="Female",value="Female",variable=var,bg="cyan3",fg="white",font="Helvetica 16 bold")
Emailentry =Entry(f1,textvariable=Emailvalue)
Passwordentry = Entry(f1,textvariable=Passwordvalue)

```

```

ConfirmPasswordentry = Entry(f1,textvariable=ConfirmPasswordvalue)

Paymententry =Entry(f1,textvariable=Paymentvalue)

# =====packing the entry=====
=====
nameentry.grid(row=1,column=4)
Phoneentry.grid(row=2,column=4)
# b1.grid(row=3,column=4)
# b2.grid(row=3,column=5)
Emailentry.grid(row=3,column=4)
Passwordentry.grid(row=5,column=4)
ConfirmPasswordentry.grid(row=4,column=4)

Paymententry.grid(row=6,column=4)

def clearEnrtyBox():
    pass
def insert():

    mydb = mysql.connector.connect(host="localhost", user="root", password
=" ", database="pp")
    mycursor = mydb.cursor()
    insert = ("INSERT INTO login (name,phone,email,password,confirmpasswor
d,payment) VALUES (%s,%s,%s,%s,%s,%s)")
    values = [namevalue.get(),Phonevalue.get(),Emailvalue.get(),Passwordva
lue.get(),ConfirmPasswordvalue.get(),Paymentvalue.get()]
    mycursor.execute(insert,values)
    # if Passwordvalue.get()==ConfirmPasswordvalue.get():
    mydb.commit()
    tmsg.showinfo(title="done", message=" Your Account is created Successf
ully")
    ok=namevalue.set(""),Phonevalue.set(""),Emailvalue.set(""),Passwordval
ue.set(""),ConfirmPasswordvalue.set(""),Paymentvalue.set("")
    win.destroy()
    import twoinone.py
    # else:
    #     tmsg.showinfo(title="wrong", message="Account not created ")

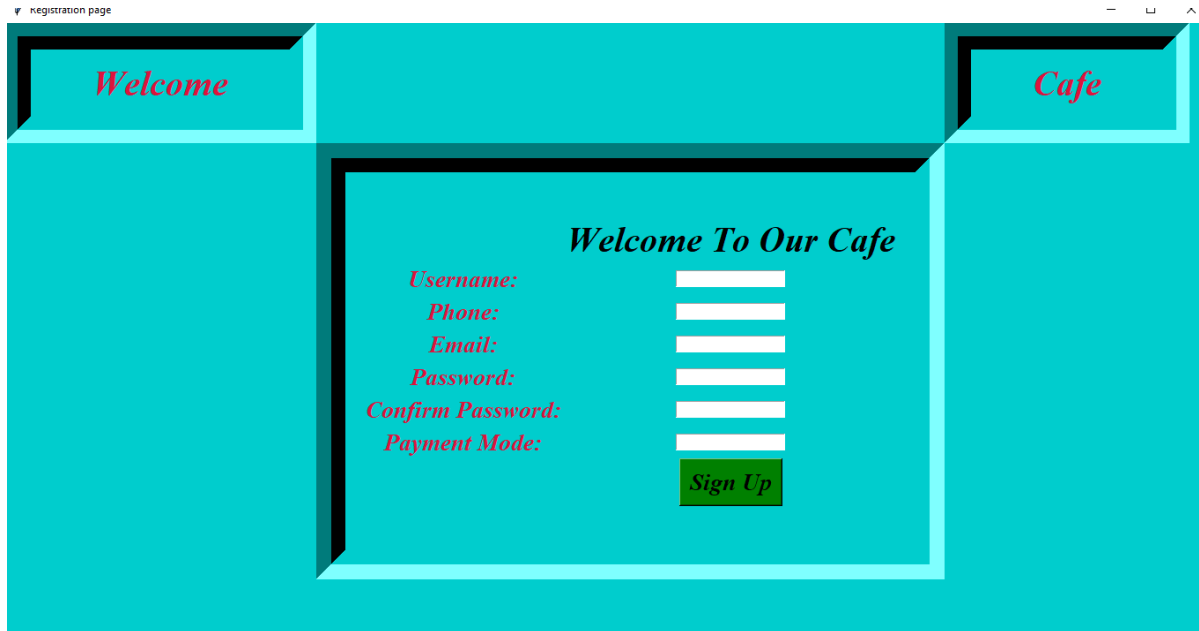
#=====bg color=====
=====

win.configure(bg="cyan3")
#===== button & paccking it and assigning it
a command=====
Button(f1,text="Sign Up",command=insert,font=("Times 20 bold italic"),bg="gree
n",fg="black",).grid(row=7,column=4)

```

```
win.mainloop()
```

## OUTPUT:



## ORDER PAGE:

## CODE:

```
from tkinter import*
import random
import time
# from PIL import Image, ImageTk
import tkinter.messagebox as tmsg
import mysql.connector

root = Tk()
root.geometry("1600x700+0+0")
root.title("Cafe Management System")

Tops = Frame(root,bg="white",width = 1600,height=50,relief=SUNKEN)
Tops.pack(side=TOP)

f1 = Frame(root,width = 900,height=700,relief=SUNKEN,bg="cyan3")
f1.pack(side=LEFT)

f2 = Frame(root ,width = 400,height=700,relief=SUNKEN,bg="cyan3")
f2.pack(side=RIGHT)
```

```

#-----TIME-----
localtime=time.asctime(time.localtime(time.time()))
#-----INFO TOP-----
lblinfo = Label(Tops,font=("Times 30 italic bold"),bg="cyan3",text="Cafe Management System",fg="crimson",bd=10,anchor='w')
lblinfo.grid(row=0,column=0)
lblinfo = Label(Tops, font=("Times 30 italic bold"),text=localtime,fg="black",anchor=W,bg="cyan3")
lblinfo.grid(row=1,column=0)

#-----Calculator-----

def btnclick(numbers):
    global operator
    operator=operator + str(numbers)
    text_Input.set(operator)

def clrdisplay():
    global operator
    operator=""
    text_Input.set("")

def equals():
    global operator
    sumup=eval(operator)

    text_Input.set(sumup)
    operator = ""

def Ref():
    x=random.randint(12980, 50876)
    randomRef = str(x)
    rand.set(randomRef)

    cof =float(Fries.get())
    colfries= float(Largefries.get())
    cob= float(Burger.get())
    cofi= float(Filet.get())
    cochee= float(Cheese_burger.get())
    codr= float(Drinks.get())

    costoffries = cof*25
    costoflargefries = colfries*40
    costofburger = cob*35
    costoffilet = cofi*50
    costofcheeseburger = cochee*50
    costofdrinks = codr*35

```

```

        costofmeal = str('%.2f'%(costoffries + costoflargefries + costofburger +
costoffilet + costofcheeseburger + costofdrinks))
        PayTax=((costoffries + costoflargefries + costofburger + costoffilet + c
ostofcheeseburger + costofdrinks)*0.33)
        Totalcost=(costoffries + costoflargefries + costofburger + costoffilet +
costofcheeseburger + costofdrinks)
        Ser_Charge=((costoffries + costoflargefries + costofburger + costoffilet
+ costofcheeseburger + costofdrinks)/99)
        Service=str('%.2f'% Ser_Charge)
        OverAllCost=str( PayTax + Totalcost + Ser_Charge)
        PaidTax=str('%.2f'% PayTax)

        Service_Charge.set(Service)
        cost.set(costofmeal)
        Tax.set(PaidTax)
        Subtotal.set(costofmeal)
        Total.set(OverAllCost)

        mydb = mysql.connector.connect(host="localhost", user="root", password="",
database="pp")
        mycursor = mydb.cursor()
        insert = ("INSERT INTO  bills (orde,fries,lunch,burger,pizza,cheese,drinks,
cost,servicecharge,tax,subtotal,total) VALUES  (%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s)")
        values = [rand.get(),Fries.get(),Largefries.get(),Burger.get(),Filet.get(),
,Cheese_burger.get(),(Drinks.get()),cost.get(),Service_Charge.get(),Tax.get(),
Subtotal.get(),Total.get()]
        mycursor.execute(insert,values)
        print(values)
        mydb.commit()
        tmsg.showinfo("Notification","Your order is received")

rand = StringVar()
Fries = StringVar()
Largefries = StringVar()
Burger = StringVar()
Filet = StringVar()
Cheese_burger = StringVar()
Drinks = StringVar()
cost = StringVar()
Service_Charge = StringVar()
Tax = StringVar()
Subtotal = StringVar()
Total = StringVar()

def qexit():
    root.destroy()

```



```

def reset():
    rand.set("")
    Fries.set("")
    Largefries.set("")
    Burger.set("")
    Filet.set("")
    Subtotal.set("")
    Total.set("")
    Service_Charge.set("")
    Drinks.set("")
    Tax.set("")
    cost.set("")
    Cheese_burger.set("")

#-----
-----

lblreference = Label(f1, font=( 'Times' ,20, 'italic bold' ),text="Order No.",
fg="crimson",bg="cyan3",bd=10,anchor='w')
lblreference.grid(row=0,column=0)
txtreference = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=rand
, bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtreference.grid(row=0,column=1)

lblfries = Label(f1, font=( 'Times' ,20, 'italic bold' ),text="Coffee",fg="cri
mson",bg="cyan3",bd=10,anchor='w')
lblfries.grid(row=1,column=0)
txtfries = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=Fries ,
bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtfries.grid(row=1,column=1)

lblLargefries = Label(f1, font=( 'Times' ,20, 'italic bold' ),text="Cookies",b
g="cyan3",fg="crimson",bd=10,anchor='w')
lblLargefries.grid(row=2,column=0)
txtLargefries = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=Lar
gefries , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtLargefries.grid(row=2,column=1)

```

```

lblburger = Label(f1, font=( 'Times' ,20, 'italic bold' ),text="Pastry",bg="cyan3",fg="crimson",bd=10,anchor='w')
lblburger.grid(row=3,column=0)
txtburger = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=Burger , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtburger.grid(row=3,column=1)

lblFilet = Label(f1, font=( 'Times' ,20, 'italic bold' ),text="Tea",bg="cyan3",fg="crimson",bd=10,anchor='w')
lblFilet.grid(row=4,column=0)
txtFilet = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=Filet , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtFilet.grid(row=4,column=1)

lblCheese_burger = Label(f1, font=( 'Times' ,20, 'italic bold' ),bg="cyan3",text="Pepsi",fg="crimson",bd=10,anchor='w')
lblCheese_burger.grid(row=5,column=0)
txtCheese_burger = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=Cheese_burger , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtCheese_burger.grid(row=5,column=1)

#-----
-----

lblDrinks = Label(f1, font=( 'Times' ,20, 'italic bold' ),text="Drinks",bg="cyan3",fg="crimson",bd=10,anchor='w')
lblDrinks.grid(row=0,column=2)
txtDrinks = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=Drinks , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtDrinks.grid(row=0,column=3)

lblcost = Label(f1, font=( 'Times' ,20, 'italic bold' ),text="cost",bg="cyan3",fg="crimson",bd=10,anchor='w')
lblcost.grid(row=1,column=2)
txtcost = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=cost , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtcost.grid(row=1,column=3)

lblService_Charge = Label(f1,font=( 'Times' ,20, 'italic bold' ),bg="cyan3",text="Service Charge",fg="crimson",bd=10,anchor='w')
lblService_Charge.grid(row=2,column=2)
txtService_Charge = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=Service_Charge , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtService_Charge.grid(row=2,column=3)

lblTax = Label(f1, font=( 'Times' ,20, 'italic bold' ),text="Tax",bg="cyan3",fg="crimson",bd=10,anchor='w')
lblTax.grid(row=3,column=2)

```

```

txtTax = Entry(f1,font=( 'Times' ,20, 'italic bold' ), textvariable=Tax , bd=6
,insertwidth=4,bg="powder blue" ,justify='right')
txtTax.grid(row=3,column=3)

lblSubtotal = Label(f1,font=( 'Times' ,20, 'italic bold' ),text="Subtotal",bg=
"cyan3",fg="crimson",bd=10,anchor='w')
lblSubtotal.grid(row=4,column=2)
txtSubtotal = Entry(f1,font=('ariel' ,20,'bold'), textvariable=Subtotal , bd=6
,insertwidth=4,bg="powder blue" ,justify='right')
txtSubtotal.grid(row=4,column=3)

lblTotal = Label(f1,font=( 'Times' ,20, 'italic bold' ),text="Total",bg="cyan3
",fg="crimson",bd=10,anchor='w')
lblTotal.grid(row=5,column=2)
txtTotal = Entry(f1,font=('ariel' ,20,'bold'), textvariable=Total , bd=6,insert
width=4,bg="powder blue" ,justify='right')
txtTotal.grid(row=5,column=3)

#-----buttons-----
-----

lblTotal = Label(f1,fg="white",bg="cyan3")
lblTotal.grid(row=6,columnspan=3)

btnTotal=Button(f1,padx=16,pady=8, bd=10 ,fg="black",font=('ariel' ,16,'bold')
,width=10, text="TOTAL", bg="green",command=Ref)
btnTotal.grid(row=7, column=1)

btnreset=Button(f1,padx=16,pady=8, bd=10 ,fg="black",font=('ariel' ,16,'bold')
,width=10, text="RESET", bg="green",command=reset)
btnreset.grid(row=7, column=2)

btnexit=Button(f1,padx=16,pady=8, bd=10 ,fg="black",font=('ariel' ,16,'bold'),
width=10, text="EXIT", bg="green",command=qexit)
btnexit.grid(row=7, column=3)

def price():
    roo = Tk()
    roo.geometry("600x220+0+0")
    roo.title("Price List")
    lblinfo = Label(roo, font=('aria', 15, 'bold'), text="ITEM",bg="green", fg
="black", bd=5)
    lblinfo.grid(row=0, column=0)
    lblinfo = Label(roo, font=('aria', 15,'bold'), text="_____", fg="c
rimson", anchor=W)
    lblinfo.grid(row=0, column=2)
    lblinfo = Label(roo, font=('aria', 15, 'bold'), text="PRICE",bg="green", f
g="black", anchor=W)
    lblinfo.grid(row=0, column=3)

```

```

        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Coffee",bg="crimson"
, fg="steel blue", anchor=W)
        lblinfo.grid(row=1, column=0)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="25",bg="crimson", fg
="steel blue", anchor=W)
        lblinfo.grid(row=1, column=3)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Cookies",bg="crimson
", fg="steel blue", anchor=W)
        lblinfo.grid(row=2, column=0)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="40",bg="crimson", fg
="steel blue", anchor=W)
        lblinfo.grid(row=2, column=3)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Pastry",bg="crimson"
, fg="steel blue", anchor=W)
        lblinfo.grid(row=3, column=0)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="35",bg="crimson", fg
="steel blue", anchor=W)
        lblinfo.grid(row=3, column=3)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Tea",bg="crimson", f
g="steel blue", anchor=W)
        lblinfo.grid(row=4, column=0)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="50",bg="crimson", fg
="steel blue", anchor=W)
        lblinfo.grid(row=4, column=3)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Pepsi",bg="crimson",
fg="steel blue", anchor=W)
        lblinfo.grid(row=5, column=0)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="30",bg="crimson", fg
="steel blue", anchor=W)
        lblinfo.grid(row=5, column=3)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Drinks",bg="crimson"
, fg="steel blue", anchor=W)
        lblinfo.grid(row=6, column=0)
        lblinfo = Label(roo, font=('aria', 15, 'bold'), text="35",bg="crimson", fg
="steel blue", anchor=W)
        lblinfo.grid(row=6, column=3)
        roo.configure(bg="crimson")

        roo.mainloop()

btnprice=Button(f1,padx=16,pady=8, bd=10 ,fg="black",font=('ariel' ,16,'bold')
,width=10, text="PRICE", bg="green",command=price)
btnprice.grid(row=7, column=0)
root.configure(bg="cyan3")

def feed():
    root.destroy()

```

```

import feed.py
btnfeed = Button(f2,text="Feedback here ==>",fg="green4",bg="yellow",font=('arial', 20 , 'bold'),command=feed)
btnfeed.grid(columnspan=3)
root.mainloop()

```

OUTPUT:

FEEDBACK PAGE:

```

from tkinter import *
from PIL import Image, ImageTk
import tkinter.messagebox as tmsg
import mysql.connector
f_root=Tk()
f_root.geometry("800x350")
F1=Frame(f_root, bg="cyan3",padx=10, pady=10, borderwidth=15, relief=SUNKEN )
F1.grid(row=0,column=0)

#COMMANDS
def getvals():

    mydb = mysql.connector.connect(host="localhost", user="root", password
=" ", database="pp")
    mycursor = mydb.cursor()
    insert = ("INSERT INTO feedback (name,email,comment) VALUES (%s,%s,%s
)")
    values = [namevar.get(),emailvar.get(),commentvar.get()]
    mycursor.execute(insert,values)
    # if Passwordvalue.get()==ConfirmPasswordvalue.get():
    mydb.commit()

```

```

        tmsg.showinfo(title="done", message=" Thank you for visiting ")
        ok=namevar.set(""),emailvar.set(""),commentvar.set("")

#Form text
flabel=Label(F1,text="Customer Feedback",bg="cyan3",fg="white",font=("Times 30
    bold italic"))
flabel.grid(row=1,column=4)
flabel1=Label(F1,text="Please give your feedback",bg="cyan3",fg="red",font=("T
    imes 20 bold italic"))
flabel1.grid(row=3,column=4)
#name and email label
name=Label(F1,text="Name",bg="cyan3",fg="white",font=("Times 20 bold italic"))
email=Label(F1,text="E-
mail",bg="cyan3",fg="white",font=("Times 20 bold italic"))
Com=Label(F1,text="Comment",bg="cyan3",fg="white",font=("Times 20 bold italic"
    ))
#packing
name.grid(row=5,column=4,sticky=NW,padx=100)
email.grid(row=6,column=4,sticky=NW,padx=100)
Com.grid(row=7,column=4)

#var for entry
namevar=StringVar()
emailvar=StringVar()
commentvar=StringVar()

#entry
name_entry=Entry(F1,textvariable=namevar,width=30)
email_entry=Entry(F1,textvariable=emailvar,width=30)
comm_entry=Entry(F1,textvariable=commentvar,width=50, font=("Times 20 bold ita
    lic"))

#packing entry
name_entry.grid(row=5,column=4)
email_entry.grid(row=6,column=4)
comm_entry.grid(row=8,column=4,sticky=E)

#Button
b1=Button(F1,text="Submit",bg="Green",fg="black",font=("lucida 15 bold italic"
    ),command=getvals)
b1.grid(row=9,column=4,pady=10)
b2=Button(F1,text="Exit",bg="Green",fg="black",font=("lucida 15 bold italic"),
    command=f_root.destroy)
b2.grid(row=9,column=5,pady=10)

```

```
f_root.mainloop()
```

OUTPUT:

tk

# Customer Feedback

Please give your feedback

Name

E-mail

Comment

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> bike		1	InnoDB	utf8mb4_general_ci	16.0 K1B	-
<input type="checkbox"/> bills		2	InnoDB	utf8mb4_general_ci	16.0 K1B	-
<input type="checkbox"/> emp		6	InnoDB	utf8mb4_general_ci	16.0 K1B	-
<input type="checkbox"/> feedback		8	InnoDB	utf8mb4_general_ci	32.0 K1B	-
<input type="checkbox"/> login		16	InnoDB	utf8mb4_general_ci	16.0 K1B	-
5 tables	Sum	33	InnoDB	utf8mb4_general_ci	96.0 K1B	0 B

☐ Check all With selected:

Name:  Number of columns:

Console Bookmarks Options History Clear

Press Ctrl+Enter to execute query

☐ Show all | Number of rows:  | Filter rows:

+ Options

ords	coffee	cookies	pastry	tea	pepsi	drinks	cost	servicecharge	tax	subtotal	total
34174	1	11	1	1	1	1	635.00	6.41	209.55	635.00	850.9641414141414
18449	1	1	1	1	1	1	235.00	2.37	77.55	235.00	314.92373737373737

☐ Show all | Number of rows:  | Filter rows:

+ Options		
name	email	comment
komal	komal@gmail.com	very nice
komal menaria	komalmenariacpm2003@gmail.com	very nice!
komal	45dfSdz	dg
komal	rfdg	nice
komal	ghjghgh	nice
bechu	fderf	nice
dharmit	sdgDF	
devangi	devangi@gmail.com	nice

devangi

devansh

displayupload

employee

game

information\_schema

komal

login

mysql

performance\_schema

phpmyadmin

pp

New

bike

bills

emp

feedback

login

☐ Show all
 Number of rows: 25
 Filter rows:

+ Options

name	phone	email	password	confirmpassword	payment
karishma	983848328	kar@gmail.com	401209	401209	cash
suryasen	43546	ghx	101	101	cash
komal	2147483647	komalmenariacpm2003@gmail.com	121121	121121	cash
achal	2147483647	achal@gmail.com	123	123	cash
dfgdfh	0	hfdzdf	54432	64546	246
mehul	86876987	bjbjbjm	777	777	cash
	0				
bechu	624575	reger	112233	112233	cash
	0				
	0				

Console

Press Ctrl+Enter to execute query

Practical 6: Program to create server-client and exchange basic information.

Code:

Server.py

```

View  Navigate  Code  Refactor  Run  Tools  VCS  Window  Help  pythonProject1 - server.py
1 > server.py
t36.py x tut38.py x tut40 Excercise 6 game.py x server.py x client.py x

import socket
def server_program():
    host=socket.gethostname()
    print(host)
    port=5000

    server_socket = socket.socket()
    server_socket.bind((host,port))
    server_socket.listen(2)
    conn,address = server_socket.accept()
    print("connection from: " + str(address))

    while True:
        data = conn.recv(1024).decode()
        if not data:
            break
        print("from connected user : " + str(data))
        data = input("=>")
        conn.send(data.encode())
    conn.close()
server_program()

```



## Client.py

```

Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - client.py
object1 > client.py
36.py x tut38.py x tut40 Excercise 6 game.py x server.py x client.py x
import socket

def client_program():
    host= socket.gethostname()
    port=5000

    client_socket=socket.socket()
    client_socket.connect((host,port))

    message = input("=>")
    while message.lower().strip() != "bye":
        client_socket.send(message.encode())
        data=client_socket.recv(1024).decode()

        print('Received from server : ' + data)
        message = input("=>")
    client_socket.close()
client_program()
```

## OUTPUT:

```

server x client x
"C:\Python 39\python.exe" C:/Users/HP/PycharmProjects/pythonProject1/server.py
DESKTOP-F1IHLFS
connection from: ('192.168.43.11', 64953)
from connected user :hii
=>hello
from connected user :good morning
=>good morning have a nice day
from connected user :you too
=>okk bye

Process finished with exit code 0

Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject1 - client.py
ect1 > client.py
tut36.py x tut38.py x tut40 Excercise 6 game.py x server.py x client.py x
server x client x
"C:\Python 39\python.exe" C:/Users/HP/PycharmProjects/pythonProject1/client.py
=>hii
Received from server : hello
=>good morning
Received from server : good morning have a nice day
=>you too
Received from server : okk bye
=>bye

Process finished with exit code 0
```

## PRACTICAL 7:

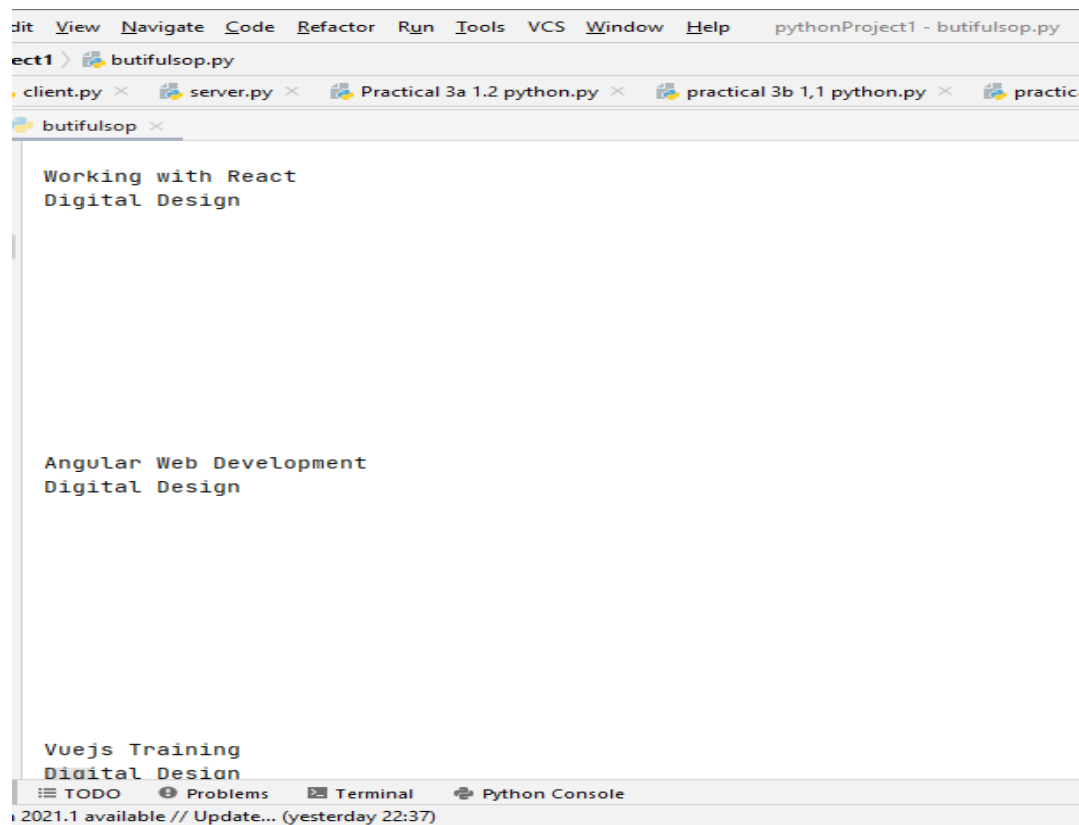
Use Scrapy/selenium/BeautifulSoup for webmining.

## CODE:

```
View  Navigate  Code  Refactor  Run  Tools  VCS  Window  Help  pythonProject1 - butifulsop.py
> butifulsop.py
nt.py ×  server.py ×  Practical 3a 1.2 python.py ×  practical 3b 1,1 python.py ×  practical 3b 1.2p
import requests
from bs4 import BeautifulSoup

URL="http://learn-javascript.in/"
r=requests.get(URL)
print(r.content)
soup=BeautifulSoup(r.content, 'html.parser')
#print(soup.prettify())
table=soup.findAll('div',attrs={'class':'filter-list row clearfix'})
for row in table:
    print(row.text)
```

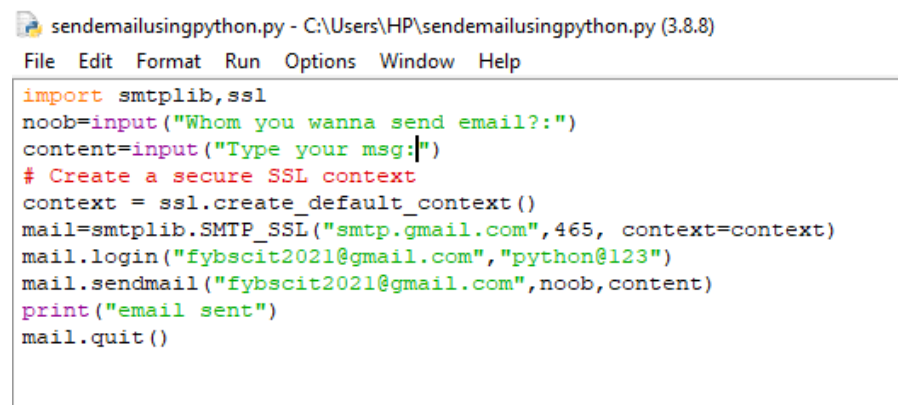
## OUTPUT:



### PRACTICAL 8: Program to send email and read content of UPL.

Email sent:

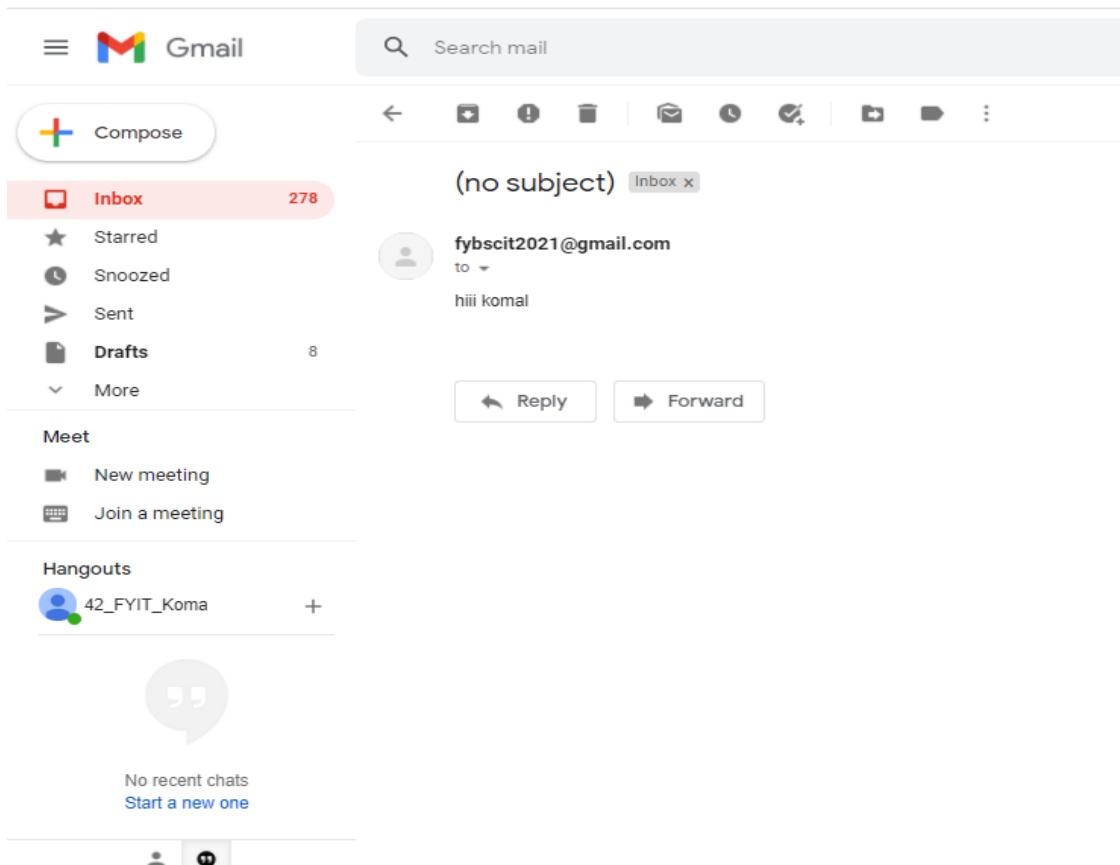
Code:



Output:

```
IDLE Shell 3.8.8
File Edit Shell Debug Options Window Help

Python 3.8.8 (tags/v3.8.8:024d805, Feb 19 2021, 13:18:16) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\HP\sendemailusingpython.py =====
Whom you wanna send email?:komalmenariacpm2003@gmail.com
Type your msg:hiiii komal
email sent
>>>
```



Read URL content:

Code:

```
getcodeusingpython.py - C:\Users\HP\getcodeusingpython.py (3.8.8)
File Edit Format Run Options Window Help

import urllib.request
# open a connection to a URL using urllib
webUrl = urllib.request.urlopen('http://elearning.nkc.org.in:81/moodle/course/view.php?id=405#section-5')

# get the result code and print it
print ("result code: " + str(webUrl.getcode()))

# read the data from the URL and print it
data = webUrl.read()
print (data)
|
```

OUTPUT:

[illegible]