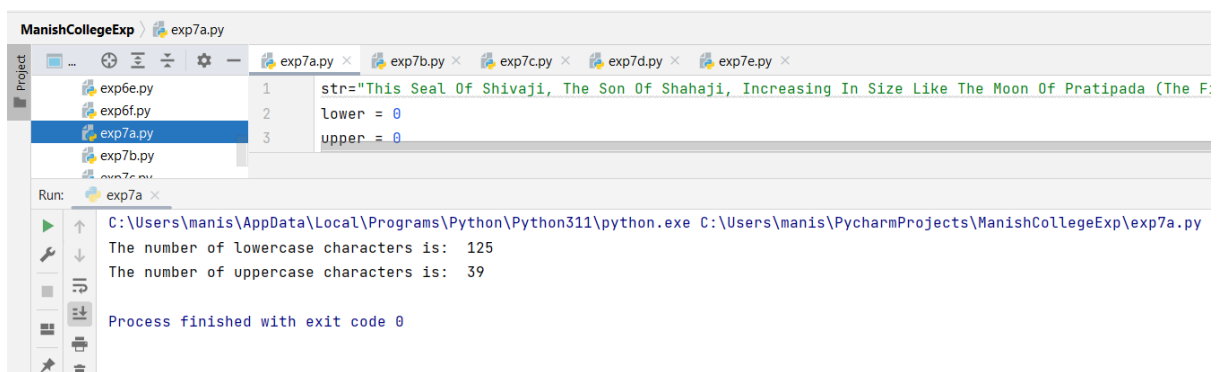# Experiment No.7

Aim: Edit/compile/run a program to read a string and display the total number of uppercase and lowercase letters.

Program A:

```python
str="This Seal Of Shivaji, The Son Of Shahaji, Increasing In
Size Like The Moon Of Pratipada (The First Day After The
Moonless Night), It Will Be Worshiped By The World & It Will
Shine Only For Well Being Of People."
lower = 0
upper = 0
for i in str:
    if (i.islower()):
        lower+=1

    elif(i.isupper()):
        upper+=1
print("The number of lowercase characters is: ", lower)
print("The number of uppercase characters is: ",upper)
```

Output:

Program B:

```python
def upplow(string):

    upper = 0
    lower = 0
    for i in range(len(string)):
        if(ord(string[i]) >=97 and
        ord(string[i]) <=122):
            lower+=1

        elif(ord(string[i]) >=65 and
        ord(string[i]) <=90):
            upper+=1
    print('Lower case characters = %s' %lower, "\n"
            'Upper case characters = %s' %upper)

string = "The Royal Seal of Shambho (Sambhaji), the son of
Shiv (Shivaji) is shining with glory and is limitless as the
sky. Under the shelter of this Rajmudra, everyone is
protected. Nothing is superior to this Rajmudra."
upplow(string)
```
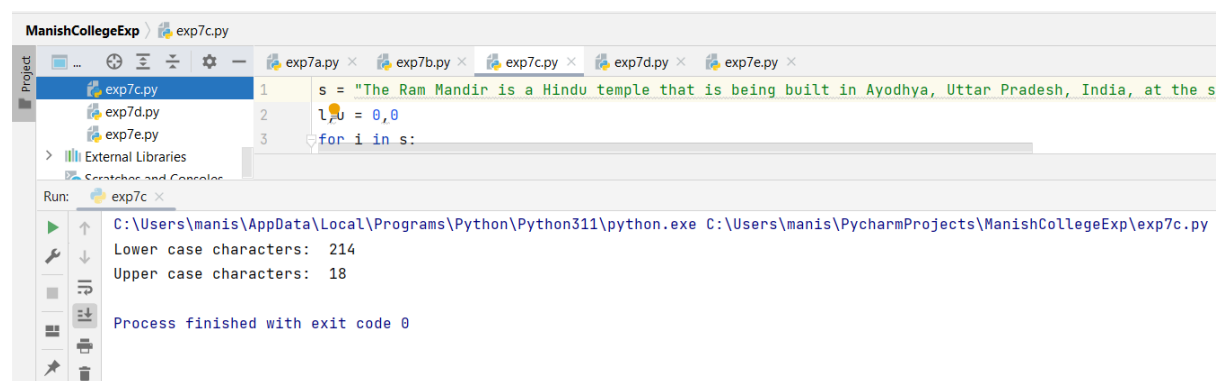
Output:

Program C:

```python
s = "The Ram Mandir is a Hindu temple that is being built in
Ayodhya, Uttar Pradesh, India, at the site of Ram Janmabhoomi,
according to the Ramayana the birthplace of Rama, a principal
deity of Hinduism. The temple construction is being supervised
by the Shri Ram Janmabhoomi Teerth Kshetra."
l,u = 0,0
for i in s:
    if(i >= 'a' and i <= 'z'):
        l=l+1
    if(i>'A' and i<='Z'):
        u=u+1
print('Lower case characters: ',l)
print('Upper case characters: ',u)
```
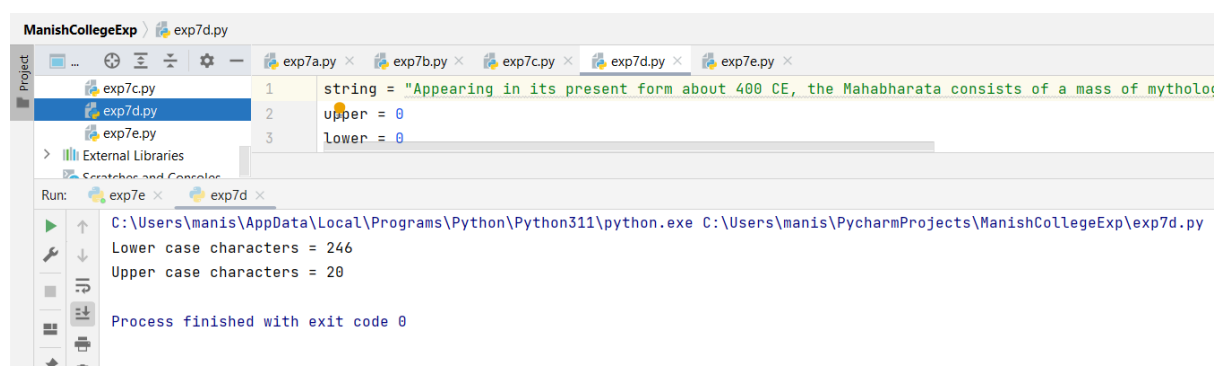
Output:

Program D:

```python
string = "Appearing in its present form about 400 CE, the
Mahabharata consists of a mass of mythological and didactic
material arranged around a central heroic narrative that tells
of the Struggle for Sovereignty between Two Groups of Cousins,
The Kauravas (Sons of Dhritarashtra, The Descendant of Kuru)
and The Pandavas (Sons of Pandu)."
upper = 0
lower = 0
up = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"
lo = "abcdefghijklmnopqrstuvwxyz"
for i in string:
    if i in up:
        upper+=1
    elif i in lo:
        lower+=1
print('Lower case characters = %s' %lower)
print('Upper case characters = %s' %upper)
```

3

Output:

Program E:
```python
string = input("Enter a string: ")
uppercase = 0
lowercase = 0
for char in string:
    if char.isupper():
        uppercase += 1
    elif char.islower():
        lowercase += 1
print("Total number of uppercase letters: ", uppercase)
print("Total number of lowercase letters: ", lowercase)
```

Output:

Practical Performance (4)	Writeup & Oral (4)	Attendance (2)	Total (10)