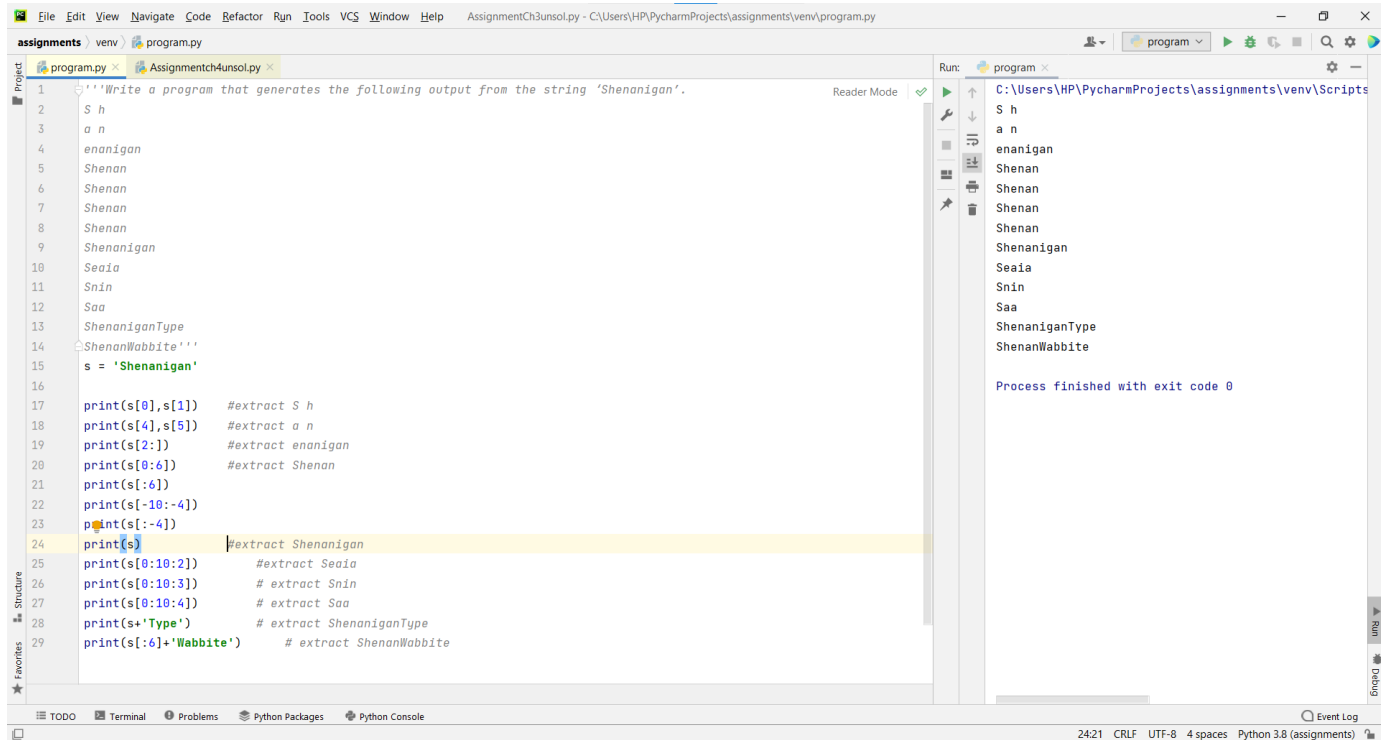**Name: Ankita Shinde**   **Roll no:4252**   **Subject: Python Programming**

# Unsolved Program Assignment -4

```python
'''Write a program that generates the following output from the string 'Shenanigan'.
S h
a n
enanigan
Shenan
Shenan
Shenan
Shenan
Shenanigan
Seaia
Snin
Saa
ShenaniganType
ShenanWabbite'''
s = 'Shenanigan'

print(s[0],s[1])     #extract S h
print(s[4],s[5])     #extract a n
print(s[2:])         #extract enanigan
print(s[0:6])        #extract Shenan
print(s[:6])
print(s[-10:-4])
print(s[:-4])
print(s)             #extract Shenanigan
print(s[0:10:2])     #extract Seaia
print(s[0:10:3])     # extract Snin
print(s[0:10:4])     # extract Saa
print(s+'Type')      # extract ShenaniganType
print(s[:6]+'Wabbite')   # extract ShenanWabbite
```
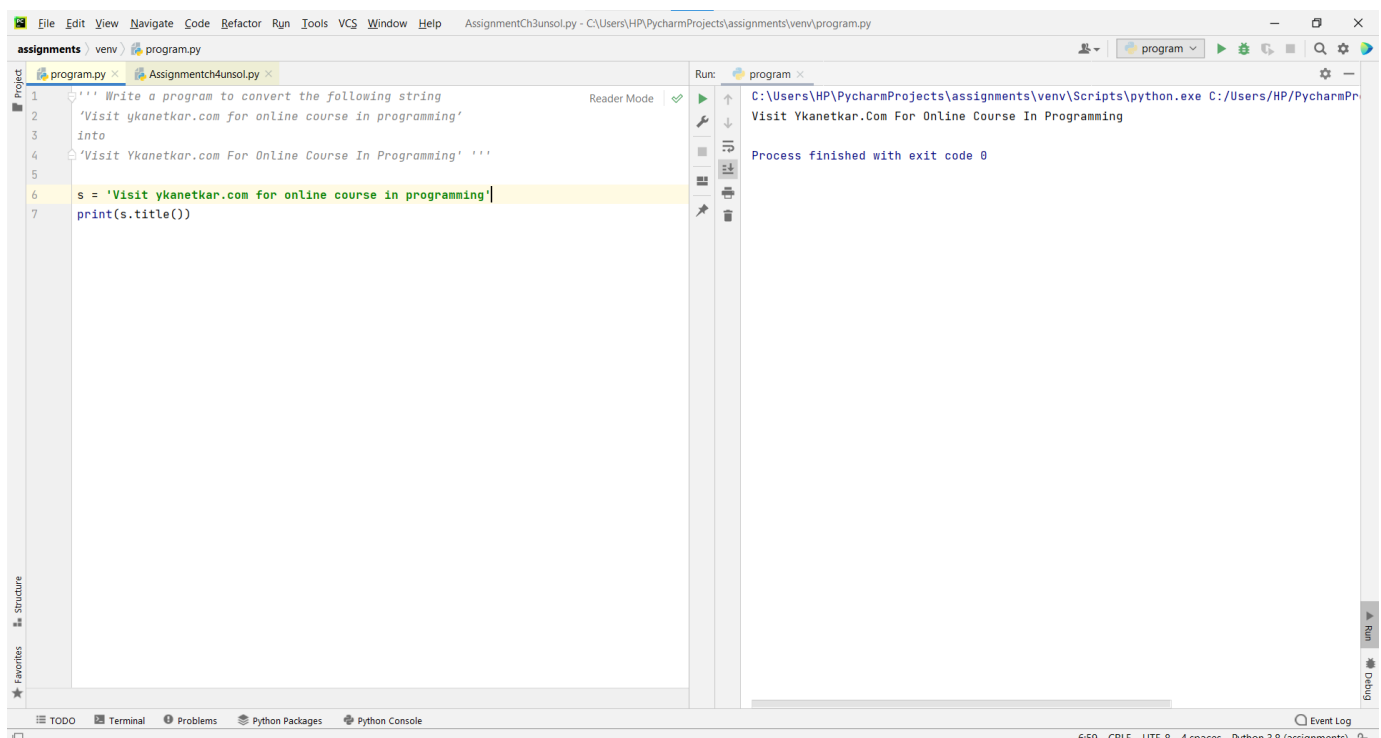
Run output:
```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts
S h
a n
enanigan
Shenan
Shenan
Shenan
Shenan
Shenanigan
Seaia
Snin
Saa
ShenaniganType
ShenanWabbite

Process finished with exit code 0
```

```python
''' Write a program to convert the following string
'Visit ykanetkar.com for online course in programming'
into
'Visit Ykanetkar.com For Online Course In Programming' '''

s = 'Visit ykanetkar.com for online course in programming'
print(s.title())
```

Run output:
```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts\python.exe C:/Users/HP/PycharmPr
Visit Ykanetkar.Com For Online Course In Programming

Process finished with exit code 0
```

```python
'''Write a program to convert the following string
'Light travels faster than sound. This is why some people appear bright until you hear them speak.'
into
'LIGHT travels faster than SOUND. This is why some people appear bright until you hear them speak.'''

s = 'Light travels faster than sound. This is why some people appear bright until you hear them speak.'
print(s.replace('Light','LIGHT').replace('sound','SOUND'))
```

Run: program

```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts\python.exe C:/Users/HP/PycharmProjects/assignments/venv/program.py
LIGHT travels faster than SOUND. This is why some people appear bright until you hear them speak.

Process finished with exit code 0
```

```python
# What will be the output of the following program?

s= 'HumptyDumpty'
print('s = ',s)
print(s.isalpha())
print(s.isdigit())
print(s.isalnum())
print(s.islower())
print(s.isupper())
print(s.startswith('Hump'))
print(s.endswith('Dump'))
```

Run: program

```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts\python.exe C:/Users/HP/Pycha
s =  HumptyDumpty
True
False
True
False
False
True
False

Process finished with exit code 0
```

First window:

```
'''If we wish to work with an individual word in the followin
g string, how will you separate them out:
'The difference between stupidity and genius is that genius has its limits' '''

msg = "The difference between stupidity and genius is that genius has its limits"
for word in msg.split():
    print(word)
```

Output:
```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts\python.exe C:/Users/HP/Pycha
The
difference
between
stupidity
and
genius
is
that
genius
has
its
limits

Process finished with exit code 0
```

Second window:

```
'''What will be the output of the following code snippet?
print(id('Imaginary'))
print(type('Imaginary'))'''

print(id("Imaginary"))
print(type("Imaginary"))
```

Output:
```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts\python.exe C:/Users/HP/Pychar
1954100742704
<class 'str'>

Process finished with exit code 0
```

```
1   '''What will be the output of the following code snippet?
2   s3 = 'C:\\Users\\Kanetkar\\Documents'
3   print(s3.split('\\'))
4   print(s3.partition('\\'))'''
5
6   s3 = "C:\\Users\\Kanetkar\\Documents"
7   print(s3.split("\\"))
8   print(s3.partition("\\"))
9
```

Run:  program

```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts\python.exe C:/Users/HP/Pychar
['C:', 'Users', 'Kanetkar', 'Documents']
('C:', '\\', 'Users\\Kanetkar\\Documents')

Process finished with exit code 0
```

---

```
1   # How will you extract 'TraPoete' from the string 'ThreadProperties'?
2
3   s = 'ThreadProperties'
4   print(s[0:16:2])
5
```

Run:  program

```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts\python.exe C:/Users/HP/Pychar
TraPoete

Process finished with exit code 0
```

assignments ⟩ venv ⟩ program.py

program.py ×    Assignmentch4unsol.py ×    AssignmentCh3unsol.py ×

Run:   program ×

```python
'''What will be the output of the following code snippet?
s1 = s2 = s3 = "Hello"
Print(id(s1), id(s2), id(s3))'''
s1 = s2 = s3 = 'Hello'
print(id(s1), id(s2), id(s3))
```

```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts\python.exe C:/Users/HP/Pychar
2107875789360 2107875789360 2107875789360

Process finished with exit code 0
```

6:1  CRLF  UTF-8  4 spaces  Python 3.8 (assignments)

---

assignments ⟩ venv ⟩ program.py

program.py ×    Assignmentch4unsol.py ×    AssignmentCh3unsol.py ×

Run:   program ×

```python
'''What will  get sorted in ch in the following snippet:
msg = 'Aeroplane'
ch = msg[-0]'''
msg = "Aeroplane"
ch = msg[-0]
print(ch)
```

```
C:\Users\HP\PycharmProjects\assignments\venv\Scripts\python.exe C:/Users/HP/Pychar
A

Process finished with exit code 0
```

7:1  CRLF  UTF-8  4 spaces  Python 3.8 (assignments)