

The screenshot shows the PyCharm IDE interface. The main editor window displays a Python script named `main.py` with the following content:

```
1 #Roll no:4225
2 #Problem 4.1
3
4 #sample strings
5 msg1= 'Hoopla'
6 #string with special characters
7 msg2= 'he said,\Let Us Python\.'

The Run window on the right shows the output of the script:



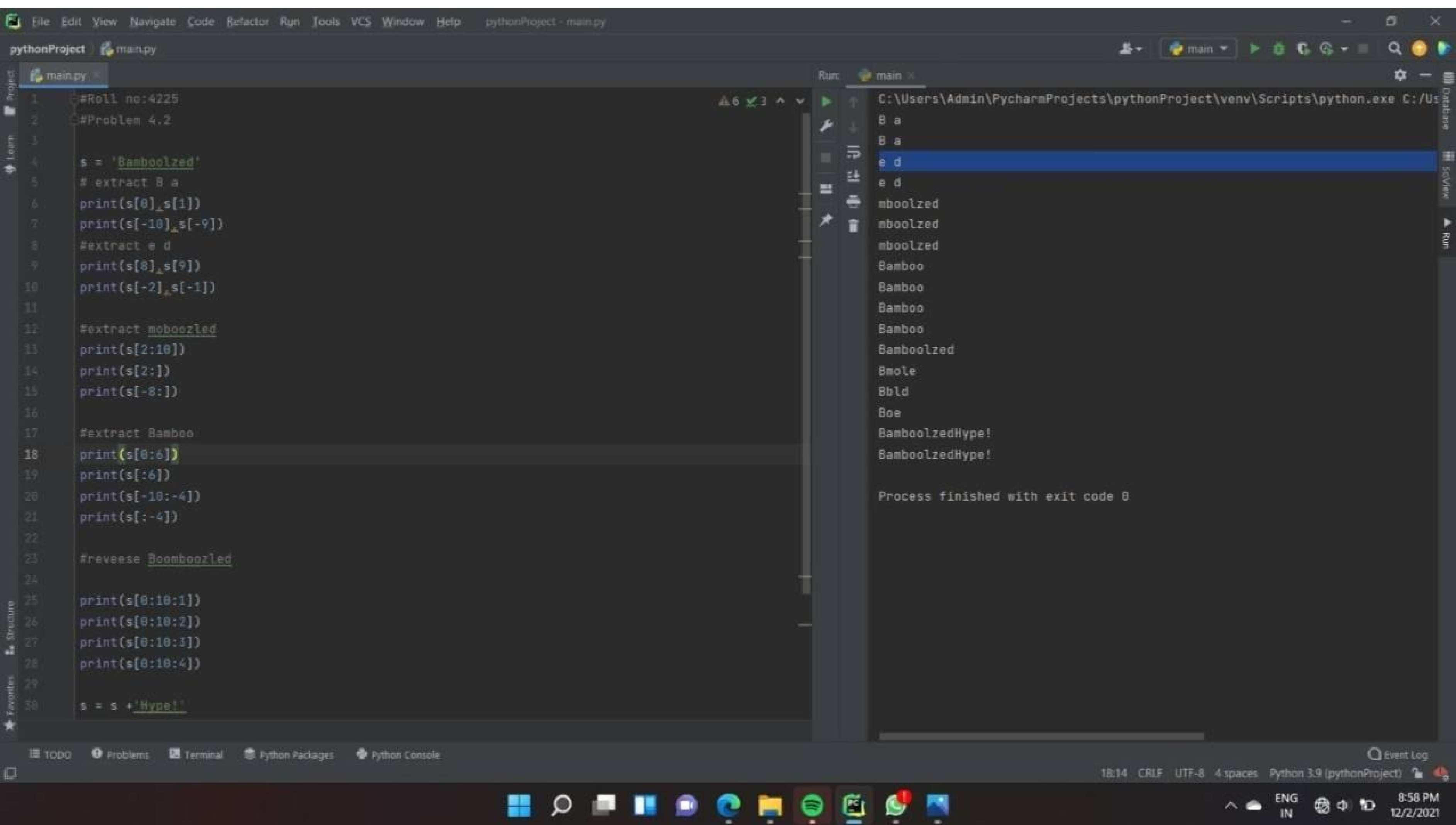
```
C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/Admin/Py...
he said,'Let Us Python'.
C:\Temp\newfile
C:\temp\newfile
What is this life if full of care...We have no time to stand and stare
What is this life if full of care...
We have no time to stand and stare
What is this life if full of care...We have no time to stand and stare
HooplaHooplaHoopla
UtopiaToday!!!
6
H
p.

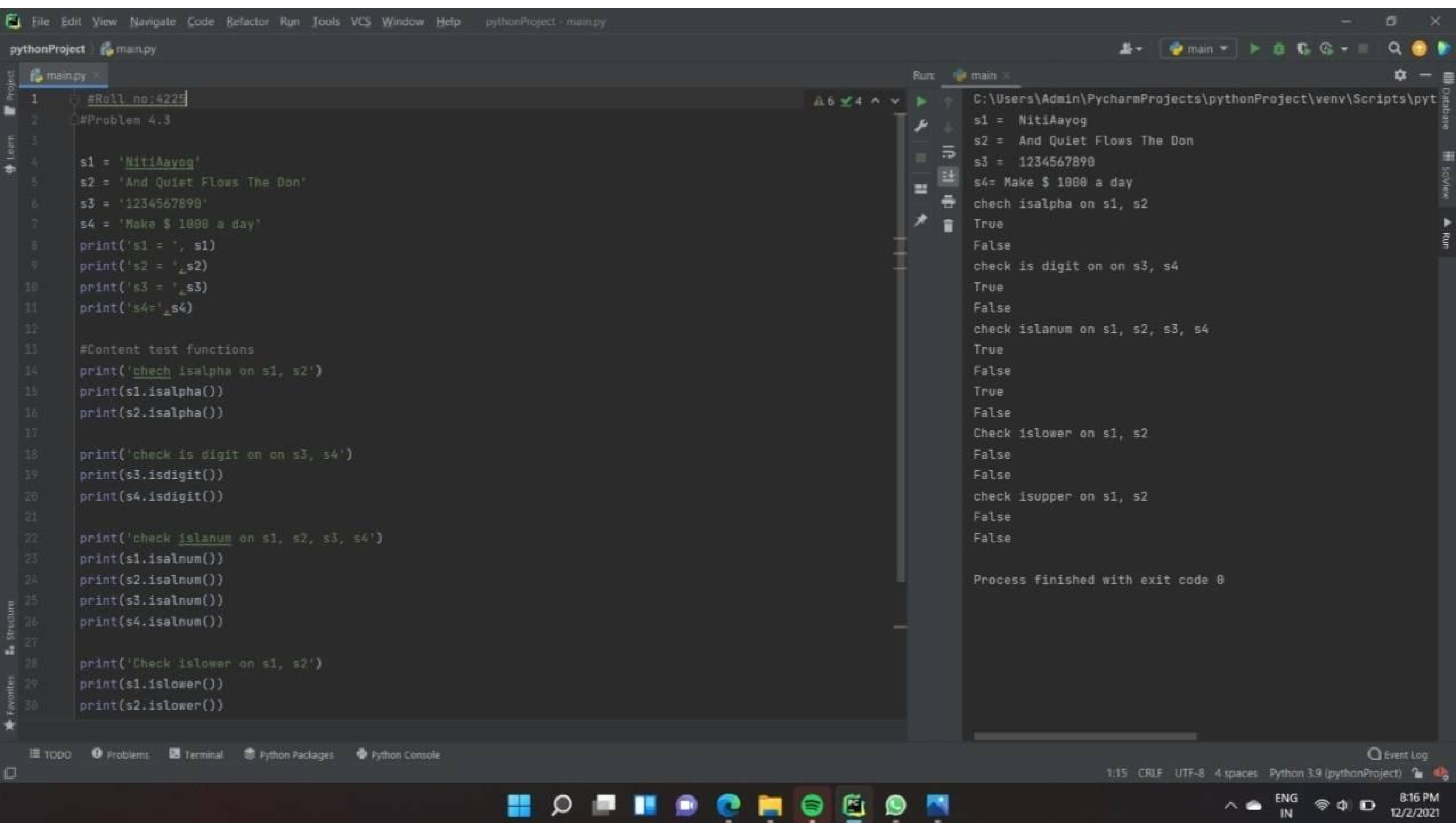
Process finished with exit code 0
```



The bottom status bar indicates the file encoding is UTF-8, the line ending is CRLF, and the indentation is 2 spaces. The system clock shows Thursday, December 2, 2021, at 7:04 PM.


```





The screenshot shows the PyCharm IDE interface. The main editor window displays a Python script named `main.py` with the following code:

```
1 #Roll no:4225
2 #Problem 4.4
3
4 s1= 'Bring It On'
5 #Conversions
6 print(s1.upper())
7 print(s1.lower())
8 print(s1.capitalize())
9 print(s1.title())
10 print(s1.swapcase())
11
12 #search and replace
13 print(s1.find('I'))
14 print(s1.find('On'))
15 print(s1.replace('IT','Hi'))
16
17 #trimming
18 s2= ' Flanked by spaces on either side '
19 print(s2.lstrip())
20 print(s2.rstrip())
21
22 #splitting
23 s3 = 'C:\\Users\\Kanetkar\\Documents'
24 print(s3.split('\\'))
25 print(s3.partition('\\'))
26 print(s3.partition('\\'))
27
```

The Run window on the right shows the output of the script:

```
BRING IT ON
bring it on
Bring it on
Bring It On
bRING iT oN
6
9
Bring It On
Flanked by spaces on either side
Flanked by spaces on either side
['C:', 'Users', 'Kanetkar', 'Documents']
('C:', '\\', 'Users\\Kanetkar\\Documents')
('C:', '\\', 'Users\\Kanetkar\\Documents')
```

The status bar at the bottom indicates the file encoding is UTF-8, the line length is 4 spaces, and the Python version is 3.9 (pythonProject). The system clock shows 8:40 PM on 12/2/2021.

