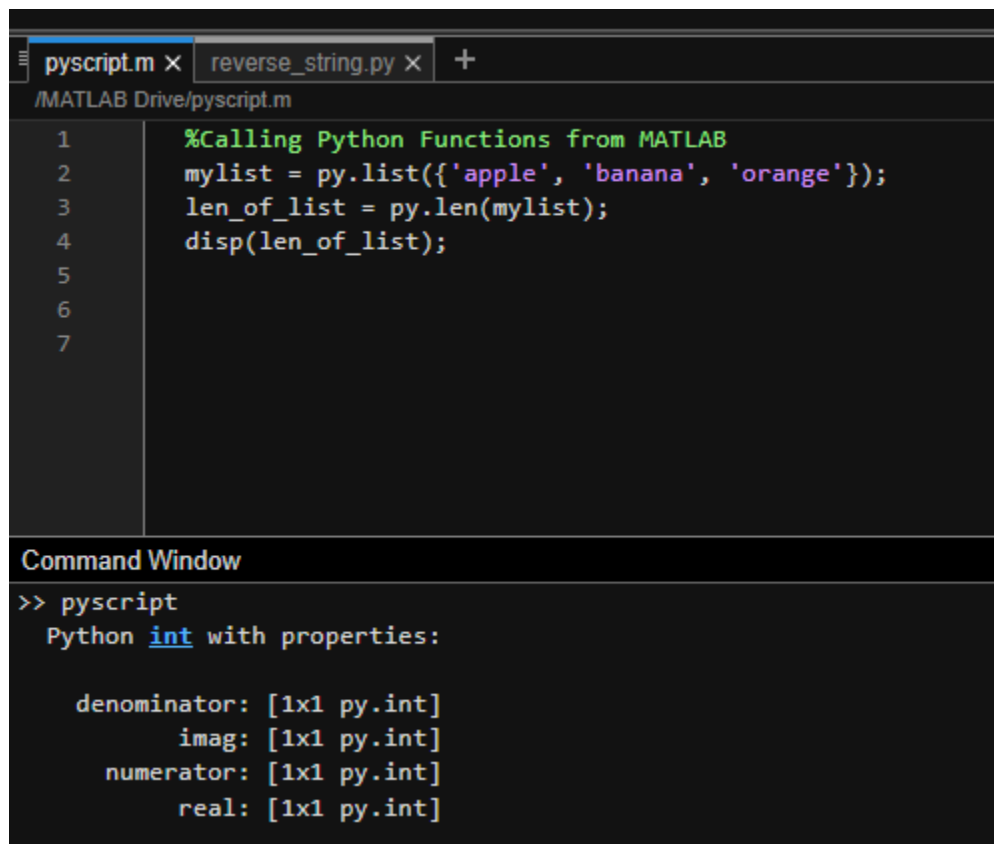


Calling Python Functions from MATLAB:



The image shows a MATLAB environment with two windows. The top window is the MATLAB Editor, showing a script named 'pyscript.m' with the following code:

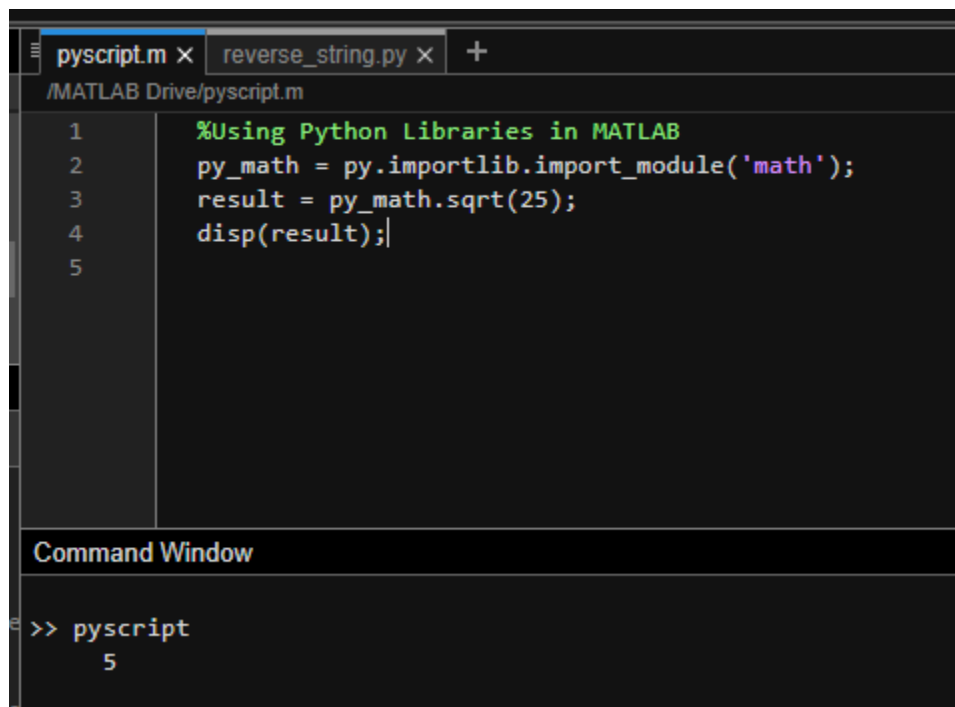
```
1 %Calling Python Functions from MATLAB
2 mylist = py.list({'apple', 'banana', 'orange'});
3 len_of_list = py.len(mylist);
4 disp(len_of_list);
5
6
7
```

The bottom window is the Command Window, showing the output of the script:

```
>> pyscript
Python int with properties:

denominator: [1x1 py.int]
imag: [1x1 py.int]
numerator: [1x1 py.int]
real: [1x1 py.int]
```

Using Python Libraries in MATLAB:



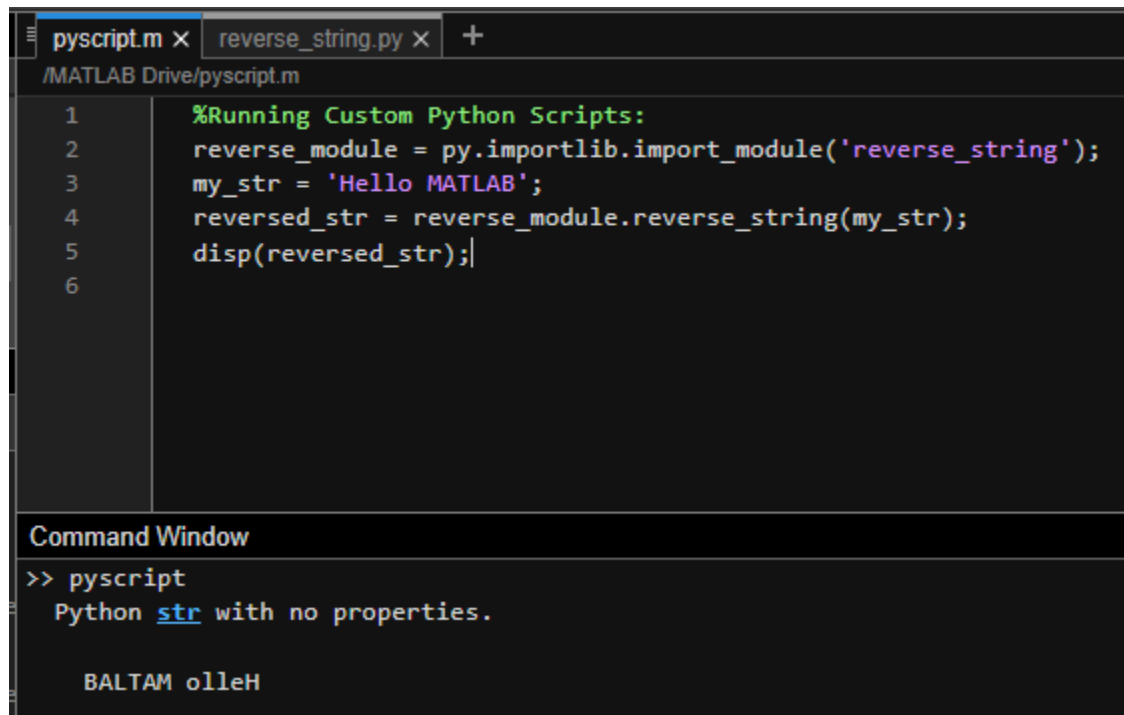
The image shows a MATLAB environment with two windows. The top window is the MATLAB Editor, showing a script named 'pyscript.m' with the following code:

```
1 %Using Python Libraries in MATLAB
2 py_math = py.importlib.import_module('math');
3 result = py_math.sqrt(25);
4 disp(result);
5
```

The bottom window is the Command Window, showing the output of the script:

```
>> pyscript
5
```

Running Custom Python Scripts:



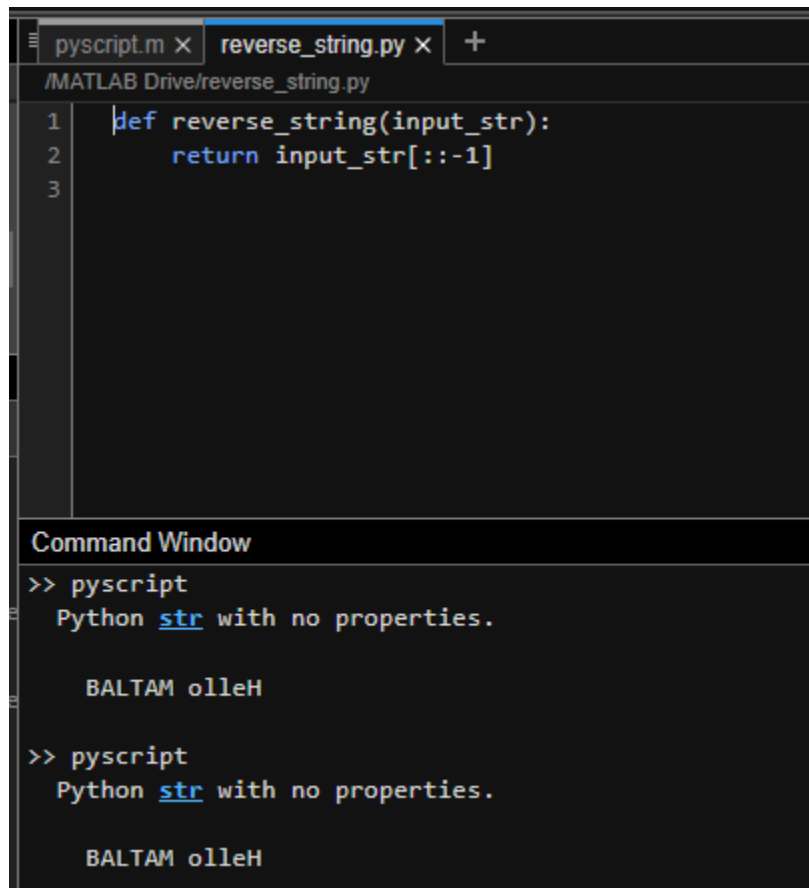
The image shows a MATLAB Editor window with two tabs: 'pyscript.m' and 'reverse_string.py'. The 'pyscript.m' tab is active, showing a script that imports the 'reverse_string' module and uses it to reverse the string 'Hello MATLAB'. The script is as follows:

```
1 %Running Custom Python Scripts:
2 reverse_module = py.importlib.import_module('reverse_string');
3 my_str = 'Hello MATLAB';
4 reversed_str = reverse_module.reverse_string(my_str);
5 disp(reversed_str);
6
```

Below the editor is the Command Window, which shows the output of the script:

```
>> pyscript
Python str with no properties.

    BALTAM olleH
```



The image shows a MATLAB Editor window with two tabs: 'pyscript.m' and 'reverse_string.py'. The 'reverse_string.py' tab is active, showing the definition of the 'reverse_string' function. The function is as follows:

```
1 def reverse_string(input_str):
2     return input_str[::-1]
3
```

Below the editor is the Command Window, which shows the output of the script:

```
>> pyscript
Python str with no properties.

    BALTAM olleH

>> pyscript
Python str with no properties.

    BALTAM olleH
```