% MATLAB Script to Demonstrate Python Integration

% 2. Calling Python Functions from MATLAB

mylist = py.list({'apple', 'banana', 'orange'});

len\_of\_list = py.len(mylist);

disp('Length of mylist:');

disp(len\_of\_list);

% 3. Using Python Libraries in MATLAB

py\_math = py.importlib.import\_module('math');

result = py\_math.sqrt(25);

disp('Square root of 25 using Python math module:');

disp(result);

% 4. Running Custom Python Scripts

my\_str = 'Hello MATLAB';

reversed\_str = py.str(my\_str(end:-1:1));

disp('Reversed string:');

disp(reversed\_str);



