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% CPE 3102 - FEEDBACK AND CONTROL SYSTEMS
% Group 3    TTh 10:30 AM - 1:30 PM LB265 TC
% Cabigon, Timothy Chad; Sarcol, Joshua      BS-CpE 3      2025/09/10
% LE1 | Introduction to Matlab #1b
```

```
% Palindrome
function x = Palindrome(str)
    % type cast input(s) to string
    arguments
        str string
    end

    % strip any leading and trailing spaces
    str = strip(str);

    % case-insensitive comparison
    x = strcmpi(str, reverse(str));
end
```

```
Palindrome('hello')
```

```
ans =
```

```
logical
```

```
0
```

```
Palindrome('racecar')
```

```
ans =
```

```
logical
```

```
1
```

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