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```
% CPE 3103 - FUNDAMENTALS OF MIXED SIGNALS AND SENSORS
% Group 1    MW 10:30 AM - 1:30 PM LBCEAC2 TC
% Sarcol, Joshua S      BS-CpE 3      2025/09/04
% Laboratory Exercise 1.b (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('racecar')
```

```
ans =
```

```
    logical
```

```
    1
```

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

```
ans =
```

```
    logical
```

```
    0
```

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