Problem 2. Times 2 - Make the vector [1 2 3 4 5 6 7 8 9 10]

In MATLAB, you create a vector by enclosing the elements in square brackets like so:

```
x = [1 2 3 4]
```

```
x = 1×4
     1     2     3     4
```

Commas are optional, so you can also type:

```
x = [1, 2, 3, 4]
```

```
x = 1×4
     1     2     3     4
```

Create the vector:

```
x = [1 2 3 4 5 6 7 8 9 10]
```

```
x = 1×10
     1     2     3     4     5     6     7     8     9    10
```

Scratch Pad

```
disp(oneToTen())
```

```
     1     2     3     4     5     6     7     8     9    10
```

Test Suite

```
try
    % Test
    x_correct = [1 2 3 4 5 6 7 8 9 10];
    assert(isequal(oneToTen,x_correct))
catch ME
    fprintf('%s\n', ME.message);
end
```

Solution

```
function x = oneToTen
  x = 1:10;
end
```