Problem 6. Select every other element of a vector

Write a function which returns every other element of the vector passed in. That is, it returns the all odd-numbered elements, starting with the first.

Examples:

```
% Input  x = [1 3 2 4 3 5]
% Output y is [1 2 3]
%
% Input  x = [5 9 3 2 2 0 -1]
% Output y is [5 3 2 -1]
```

Scratch Pad

```
x = [1 3 2 4 3 5]
```

```
x = 1×6
     1     3     2     4     3     5
```

```
everyOther(x)
```

```
ans = 1×3
     1     2     3
```

```
x = [5 9 3 2 2 0 -1]
```

```
x = 1×7
     5     9     3     2     2     0    -1
```

```
everyOther(x)
```

```
ans = 1×4
     5     3     2    -1
```

Solution

```
function y = everyOther(x)
    y = x(1:2:end);
end
```