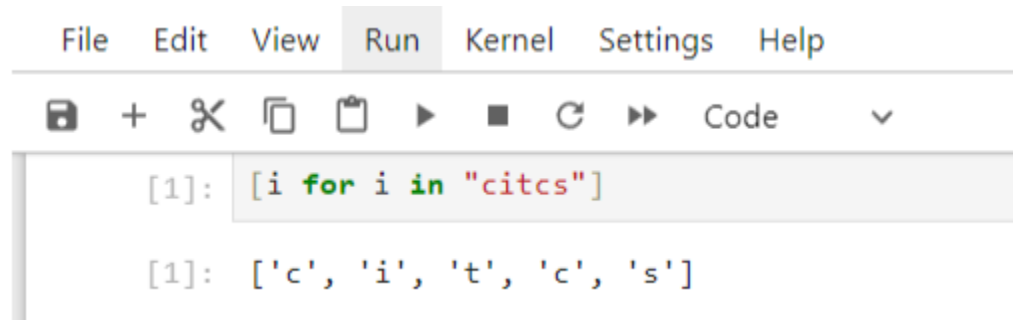


1.

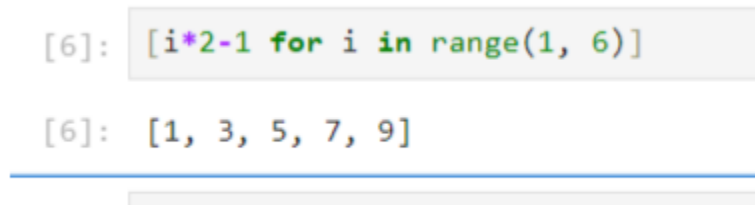


The screenshot shows a Jupyter Notebook interface with a menu bar (File, Edit, View, Run, Kernel, Settings, Help) and a toolbar with icons for saving, adding, deleting, copying, pasting, running, and other actions. The code cell contains a list comprehension that iterates over the characters of the string "citcs".

```
[1]: [i for i in "citcs"]
```

```
[1]: ['c', 'i', 't', 'c', 's']
```

2

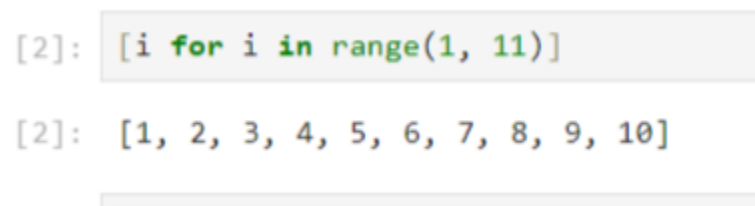


The screenshot shows a Jupyter Notebook interface with a code cell containing a list comprehension that squares numbers from 1 to 5. The output is a list of squares: [1, 3, 5, 7, 9].

```
[6]: [i*2-1 for i in range(1, 6)]
```

```
[6]: [1, 3, 5, 7, 9]
```

3.

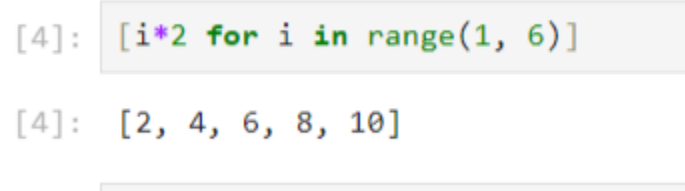


The screenshot shows a Jupyter Notebook interface with a code cell containing a list comprehension that generates a range from 1 to 10. The output is a list of numbers: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10].

```
[2]: [i for i in range(1, 11)]
```

```
[2]: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

4.



The screenshot shows a Jupyter Notebook interface with a code cell containing a list comprehension that generates even numbers from 2 to 10. The output is a list of even numbers: [2, 4, 6, 8, 10].

```
[4]: [i*2 for i in range(1, 6)]
```

```
[4]: [2, 4, 6, 8, 10]
```