

# 1 Sample Filtering Notebook

This cell should remain in the output since it has no tag.

```
In [1]: # this is a code cell
        # with no plot in the output
        # so it should be gone
        import numpy as np
        import matplotlib.pyplot as plt
        %matplotlib inline
```

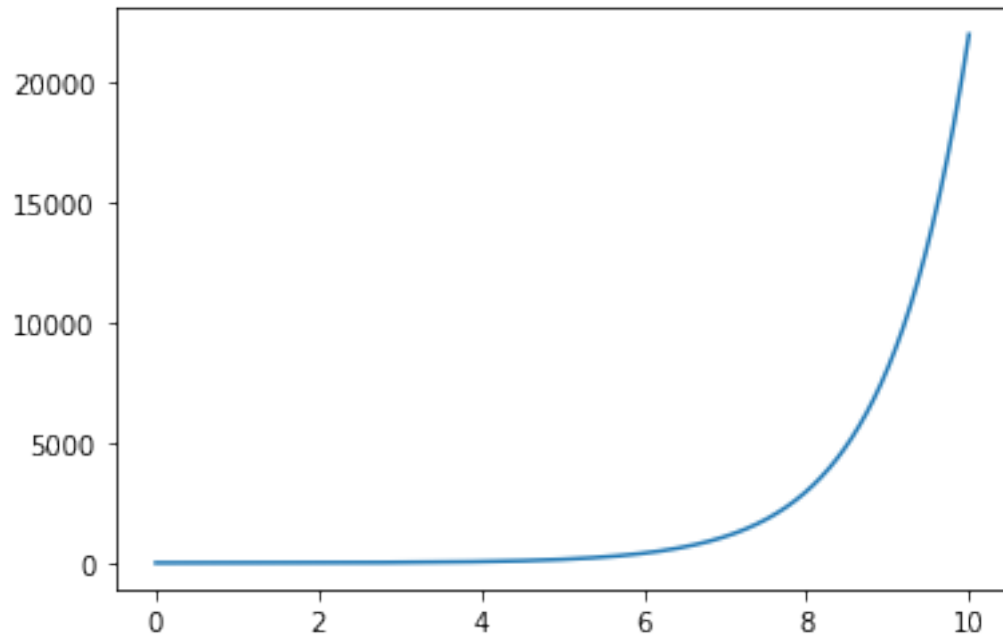
This markdown cell should also remain. **Look at the plot** of this function:

$$f(x) = \cos(2x) + e^x$$

This cell should be *gone*.

```
In [2]: # this cell should remain because it has a plot
        x = np.linspace(0,10,1000)
        y = np.cos(2*x) + np.exp(x)
        plt.plot(x,y)
```

```
Out[2]: [<matplotlib.lines.Line2D at 0x7f36964118d0>]
```



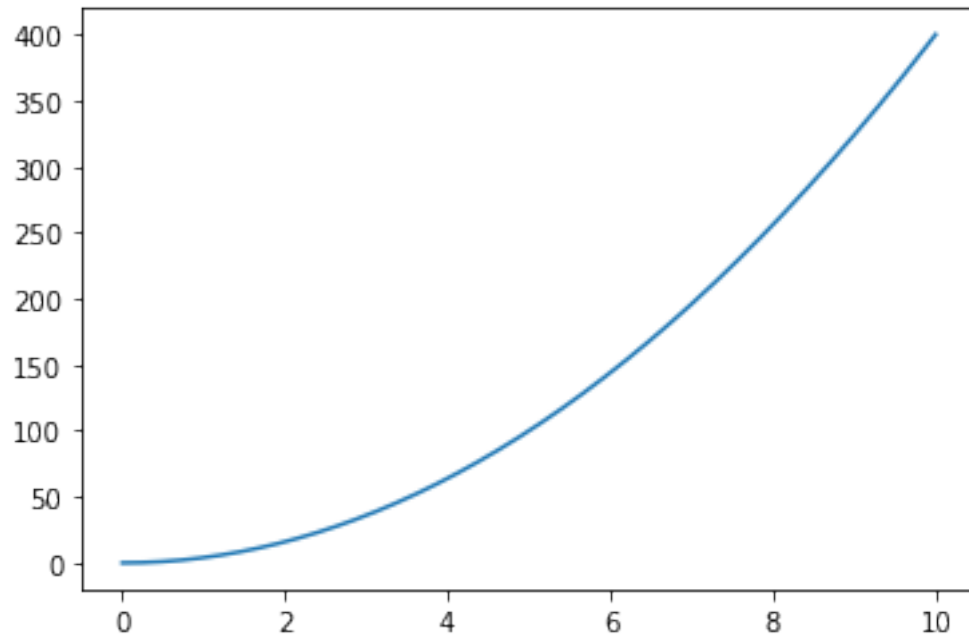
```
In [3]: # this code cell should remain, since it has the "include" tag
        y = 2*x
        print(y[0:5])
```

```
[0.          0.02002002  0.04004004  0.06006006  0.08008008]
```

This MD cell should also remain, because it's included

```
In [4]: # this plot should be excluded, since it's tagged as "ignore"
        plt.plot(x,y**2)
```

```
Out[4]: [<matplotlib.lines.Line2D at 0x7f3695d45c88>]
```



```
In [5]: def negate(x):  
        return not x  
  
        def square(x):  
            return x**2
```

```
In [6]: import otter
```

```
In [7]: n = otter.Notebook("tests")  
        n.check_all()
```

<IPython.core.display.HTML object>

<IPython.core.display.HTML object>

<IPython.core.display.HTML object>

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<IPython.core.display.HTML object>
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<IPython.core.display.HTML object>
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```
In [ ]:
```