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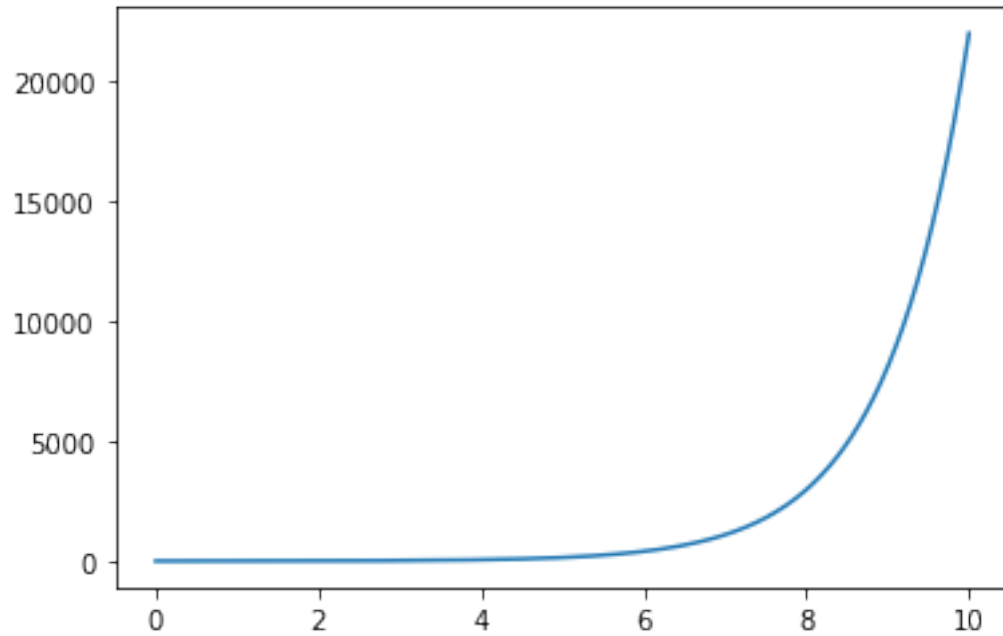
This markdown cell should also remain. **Look at the plot** of this function:

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

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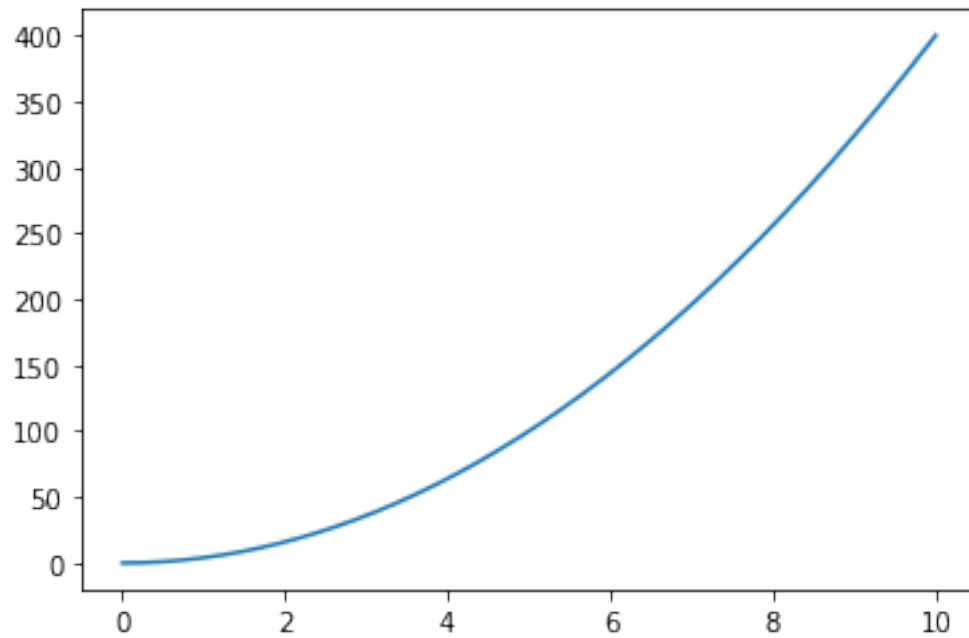
```
Out[2]:  [<matplotlib.lines.Line2D at 0x7f36964118d0>]
```

In [3]: ```python
# 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]: ```python
# 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>

```
<IPython.core.display.HTML object>


<IPython.core.display.HTML object>
```

In [ ]: