Code example

```
1  import numpy as np
2  import pylab as pl
3
4  def f_x(x):
5    return np.exp(x)+x**2-5*x
6
7  def approx_f(x):
8    return 1 -4*x +3./2*x**2
9
10 xvals = np.arange(-4,4,0.1)
11 fx_vals = [f_x(x) for x in xvals]
12 approx_vals = [approx_f(x) for x in xvals]
13
14 pl.plot(xvals,fx_vals)
15 pl.plot(xvals,approx_vals)
16
17 pl.show()
```

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Overlays work!