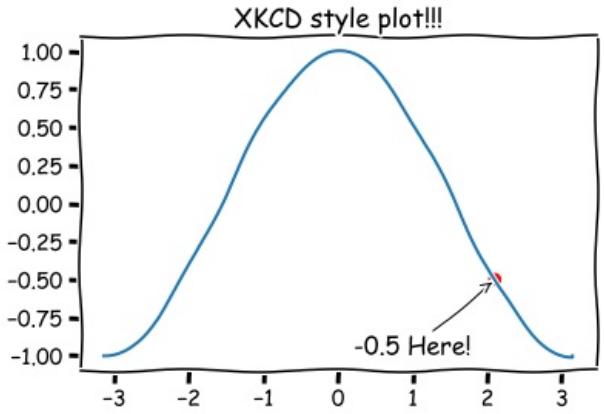
In [124…

```
import matplotlib
import matplotlib.pyplot as plt
import numpy as np
```

In [125…

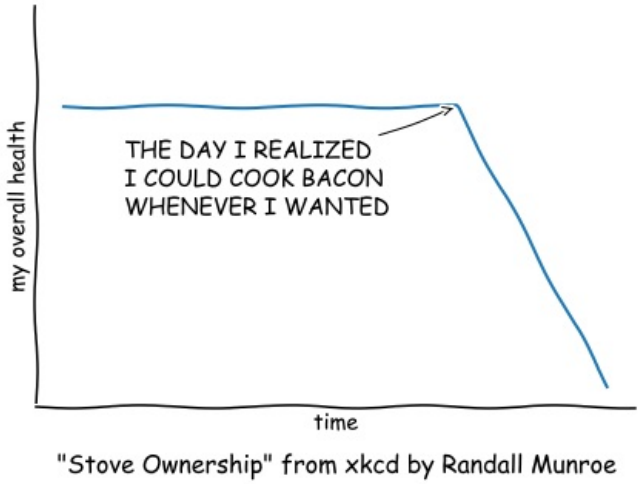
```
#실습 4
X = np.linspace(-np.pi, np.pi, 256)
C = np.cos(X)
with plt.xkcd():
    plt.title("XKCD style plot!!!")
    plt.plot(2.1, -0.5, color = "r", marker = "o", ms = 7)
    plt.plot(X, C)
    plt.annotate("-0.5 Here!", xy = (2.1, -0.5), xycoords = 'data', xytext = (0.53, 0.05),
            textcoords = 'axes fraction', fontsize = 16,
            arrowprops = dict(arrowstyle = "->", linewidth = 1))

plt.show()
```



In [126…

```
#과제
point_string = "THE DAY I REALIZED\nI COULD COOK BACON\nWHENEVER I WANTED"
with plt.xkcd():
    fig = plt.gcf()
    ax = fig.add_axes((0, 0, 0.9, 0.9))
    ax.spines['top'].set_visible(False)
    ax.spines['right'].set_visible(False)
    ax.set_xticks([])
    ax.set_yticks([])
    plt.ylim([0, 1])
    plt.xlabel("time")
    plt.ylabel("my overall health")
    plt.plot([0.05, 0.7, 0.95], [0.75, 0.75, 0.05])
    plt.annotate(point_string, xy = (0.7, 0.75), xycoords = 'data', xytext = (0.15, 0.48),
            textcoords = 'data', fontsize = 15,
            arrowprops = dict(arrowstyle = "->", linewidth = 1))
    fig.text(
        0.45, -0.15,
        '"Stove Ownership" from xkcd by Randall Munroe',
        ha='center', fontsize = 16)
```



In [ ]: