Waterfall model

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

x = np.array([1, 2, 3, 4, 5])
y = np.array([30, 32, 35, 40, 46])

coefficients = np.polyfit(x, y, 2)
model = np.poly1d(coefficients)

x_pred = np.linspace(1, 5, 100)
y_pred = model(x_pred)

plt.scatter(x, y, color='red', label='Actual Data')
plt.plot(x_pred, y_pred, label='Quadratic Model')
plt.xlabel('Days')
plt.ylabel('Temperature (°C)')
plt.legend()
plt.show()
```