1. 전체 코드

*import* pandas *as* pd

*import* matplotlib.pyplot *as* plt

*import* numpy *as* np

plt.rcParams['font.family'] ='Malgun Gothic'

plt.rcParams['axes.unicode\_minus'] =False

class Sales\_data:

def \_\_init\_\_(self):

self.dates= pd.date\_range('2024-01-01', '2024-12-31', freq='D')

self.sales = {

'Date' : self.dates,

'Sales' : np.random.randint(1000,10000,len(self.dates))

}

self.df = pd.DataFrame(self.sales)

self.df['Month'] = self.df['Date'].dt.month

def *visualize*(self):

self.pivot = pd.pivot\_table(self.df, values='Sales', index='Month', aggfunc='sum')

plt.plot([i *for* i *in* range(1,13)], self.pivot['Sales'], marker = 'o')

plt.title("월별 매출 총합")

plt.xlabel("월")

plt.ylabel("매출")

plt.show()

*if* \_\_name\_\_ == '\_\_main\_\_':

sales\_data = Sales\_data()

sales\_data.visualize()

1. 출력값

