import pandas as pd

# Define a period and perform arithmetic operations

period\_new = pd.Period('2025-01', freq='M')

future\_period\_new = period\_new + 3

print("Future Period:", future\_period\_new)

past\_period\_new = period\_new - 2

print("Past Period:", past\_period\_new)

# Constructing a range of periods

periods\_range\_new = pd.period\_range(start='2025-01', end='2025-12', freq='M')

print("Periods Range:", periods\_range\_new)