Compound Interest - Python Exercise

# Question:

Calculate the value of the same investment, but compounded quarterly and assign it to investment\_2.

# Question Explanation (20 words):

Find the future investment value with quarterly compounding using the formula and store result in investment\_2 variable.

# Answer (Code):

# Calculate the value for the investment compounded quarterly  
compound\_periods\_2 = 4  
investment\_2 = initial\_investment \* (1 + growth\_rate / compound\_periods\_2)\*\*(compound\_periods\_2 \* growth\_periods)  
print("Investment 2: " + str(round(investment\_2, 2)))

# Answer Explanation (20 words):

Quarterly compounding means four periods yearly, applying compound interest formula with initial investment, growth rate, and growth periods.

