# Compound Interest

Calculate the value of a $100 investment which grows at a rate of 6% per year for 30 years in a row compounded once per year and assign it to investment\_1.

## Answer (Python Code):

# Predefined variables  
initial\_investment = 100  
growth\_periods = 30  
growth\_rate = 0.06  
  
# Calculate the value for the investment compounded once per year  
compound\_periods\_1 = 1  
investment\_1 = initial\_investment \* (1 + growth\_rate / compound\_periods\_1) \*\* (growth\_periods \* compound\_periods\_1)  
print("Investment 1: " + str(round(investment\_1, 2)))

