START

DISPLAY "Ali's Utility Bill Forecaster"

INPUT current\_electricity

INPUT electricity\_change\_percent

INPUT current\_water

INPUT water\_change\_percent

INPUT current\_gas

INPUT gas\_change\_percent

CREATE table to store bills for 12 months

FOR month = 1 TO 12 DO

IF month = 1 THEN

electricity\_bill = current\_electricity

water\_bill = current\_water

gas\_bill = current\_gas

ELSE

electricity\_bill = previous\_electricity \* (1 + electricity\_change\_percent/100)

water\_bill = previous\_water \* (1 + water\_change\_percent/100)

gas\_bill = previous\_gas \* (1 + gas\_change\_percent/100)

END IF

total\_bill = electricity\_bill + water\_bill + gas\_bill

STORE month, electricity\_bill, water\_bill, gas\_bill, total\_bill in table

previous\_electricity = electricity\_bill

previous\_water = water\_bill

previous\_gas = gas\_bill

END FOR

FIND month with MAX total\_bill → highest\_month

FIND month with MIN total\_bill → lowest\_month

DISPLAY full table (Month | Electricity | Water | Gas | Total)

DISPLAY "Highest bill in month: ", highest\_month

DISPLAY "Lowest bill in month: ", lowest\_month

END