Python Pseudocode Dictionary (Student–Teacher Edition)

A minimal, logic-first pseudocode system designed to translate cleanly into Python.

START / END

Marks the beginning and end of a logical program block.
Pseudocode:
START
SHOW "Hello"
END
Python:
Python scripts implicitly start and end

DEFINE function_name(parameters)

Defines a reusable function.
Pseudocode:
DEFINE is_even(n)
IF n % 2 == 0 THEN
RETURN True
ELSE
RETURN False
END IF
END
Python:
def is_even(n):
return n % 2 == 0

ASK "prompt" → variable

Gets user input.
Pseudocode:
ASK "Enter number" → user_input
Python:
user_input = input("Enter number: ")

SET variable TO value

Assigns a value to a variable.
Pseudocode:
SET count TO 0
Python:
count = 0

IF / ELSE

Conditional branching.
Pseudocode:
IF score >= 60 THEN
RETURN "pass"
ELSE
RETURN "fail"
END IF

Python:
if score >= 60:
return "pass"
else:
return "fail"

WHILE condition

Repeats logic while condition is true.
Pseudocode:
WHILE TRUE
ASK "Enter q to quit" → value
IF value == "q" THEN
BREAK
END IF
END WHILE
Python:
while True:
value = input("Enter q to quit: ")
if value == "q":
break

FOR EACH item IN collection

Iterates over a collection.
Pseudocode:
FOR EACH n IN numbers
SHOW n
END FOR
Python:
for n in numbers:
print(n)

RETURN value

Ends function execution and sends value back.
Pseudocode:
RETURN total
Python:
return total