PSEUDO-CODE GUIDELINES FOR AP CS PRINCIPLES: ( more added later )

CAPITALS INDICATES NOT USER DEFINED, LANGUAGE DEPENDENT.

total <- value assigns a value to variable total

DISPLAY ( total ) prints variable total

hours <- INPUT ( ) requests input from user, stores in hours

total <- any expression total will store some expression like total + value

a <- a + b a will store sum of a + b

a <- a \* b a will store product of a \* b

a <- a - b a will store difference of a - b (subtraction)

a <- a / b a will store quotient of a / b (a divided by b)

3 / 2 = 1.5 for a pcs principles but not java

a <- a MOD b a will store remainder of a / b both integers

7 / 2 stores a 1 since 7 divided by 2 is 3 with 1 rem.

NOT ( 3 < 2 ) evaluates to true since the expression is false…

NOT false is true. c:

IF ( condition ) if the condition evaluates to true execute block

block code block code means 1 or more statements

IF ( condition ) if the condition evaluates to true execute block1

block code1 if the condition evaluates to false execute block2

ELSE

block code2

cond1 AND cond2 if both condition1 and condition2 are true, then true

otherwise false. both must be true to yield true!

cond1 OR cond2 if either condition1 or condition2 are true, then true

otherwise false. both must be false to yield false!

PROCEDURE name ( parameter1, parameter2, … )

block code

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block code

RETURN value (or expression, but an expression evaluates to a value)