

# PASSWORD ALGORITHM PSEUDOCODE

Use [TPjavaOnline](#), [OnlineJava](#), or [OnlineGDB](#) for this challenge.

An ALGORITHM is a process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.

Rather than remembering different passwords for login credentials, wouldn't it be easier to remember one algorithm that can be applied to any site you use? Below is the pseudocode for the password program you saw for this task that was created in Scratch, but yours will be written in [Java](#) code. As long as the user DOES NOT SHARE the personal information given in the questions, the passwords should remain safe! Your questions should be different, however. Make them less general (like favorite color), and more personal (like the name of your dog or cat or pig).

Notice that the same algorithm creates different passwords! How COOL is THAT???

LEGEND >> prompts | variables | values

DISPLAY(On which website is this password being used in all CAPS?)

INPUT(website ← GOOGLE)

DISPLAY(What is your favorite color in lower-case?)

INPUT(color ← gold)

DISPLAY(What is your favorite two digit number?)

INPUT(number ← 77)

JOIN(website(1,2) + color(1) + number + color(last) + website(last-1,last))

DISPLAY(Your password for the + GOOGLE + website is: )

DISPLAY(GOg77dLE)

LEGEND >> prompts | variables | values

DISPLAY(On which website is this password being used in all CAPS?)

INPUT(website ← SKYWARD)

DISPLAY(What is your favorite color in lower-case?)

INPUT(color ← gold)

DISPLAY(What is your favorite two digit number?)

INPUT(number ← 77)

JOIN(website(1,2) + color(1) + number + color(last) + website(last-1,last))

DISPLAY(Your password for the + SKYWARD + website is: )

DISPLAY(SKg77dRD)

