

Home Assignment <2>: Password Retry System

Learning Objective:

The objective of this assignment is to practice using **loops, conditional statements, and string comparison** in Python. You will also learn how to implement a simple retry mechanism for user input.

Expected Completion Time:

Best Case: 10 minutes

Average Case: 15 minutes

Assignment Details:

Write a Python program to implement a password retry system :

1. Set the correct password as "openAI123".
2. Allow the user 3 attempts to enter the password.
3. If the password entered is correct → print "Login Successful".
4. If the user fails in all 3 attempts → print "Account Locked".

Requirements:

- Store the correct password in a variable.
- Use a loop (for or while) to allow 3 attempts.
- Compare the entered password with the correct one using string comparison (==).
- Stop the loop immediately if the user enters the correct password.

Hints to Solve:

- Use a counter or loop range for attempts.
- Use the break statement to exit the loop once the password is correct.

Expected Outcome:

Upon completion of this assignment, you should be able to:

- Use loops with a fixed number of iterations.
- Compare strings in Python.
- Use break and else with loops.
- Example 1:
 - o Enter password: test123
 - o Enter password: hello
 - o Enter password: openAI123
 - o Login Successful