

# Basic Login System Challenge

## Objective:

Create a simple login system that allows users to log in with a username and password. The system should give the user only 3 attempts to enter the correct credentials.

## Given Information:

- Username: admin
- Password: password123

## Requirements:

1. The program should prompt the user to enter their username and password.
2. The program should check if the entered username and password are correct.
3. If the credentials are incorrect, the program should give the user 2 more attempts to try again.
4. If the user exhausts all 3 attempts, the program should display a message indicating that the login attempts have failed.
5. If the user enters the correct credentials within the 3 attempts, the program should display a welcome message.

## Example Output:

Enter your username: admin

Enter your password: wrongpassword

Incorrect credentials. You have 2 attempts left.

Enter your username: admin

Enter your password: wrongpassword

Incorrect credentials. You have 1 attempt left.

Enter your username: admin

Enter your password: password123

Welcome, admin!

Task:

Write a Python program that implements the basic login system as described above.

Tips:

- Use a `while` loop to give the user 3 attempts.
- Use an `if` statement to check if the entered credentials are correct.
- Use a counter variable to keep track of the number of attempts made.
- To take input from the user in Python, you can use the `input()` function. For example:

```
username = input("Enter your username: ")
```

```
password = input("Enter your password: ")
```

Note: The `input()` function returns a string, so you can store the user's input in a variable and use it in your program.