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Student Id - c0891399

Assignment - 1

CODE:

```
# Initialize the correct username and password
correct_username = "Tim"
correct_password = "12345"

# Initialize the number of login attempts
attempts = 0

# Maximum number of allowed attempts
max_attempts = 3

# Loop until the user enters the correct username and password or exceeds the maximum
attempts
while attempts < max_attempts:
    # Prompt the user for the username and password
    username = input("Enter username: ")
    password = input("Enter password: ")

    # Check if the entered username and password match the correct ones
    if username == correct_username and password == correct_password:
        print("Correct username and password. Access granted!")
        break # Exit the loop if the credentials are correct
    else:
        print("Incorrect username or password. Please try again.")
        attempts += 1

# Check if the maximum attempts have been reached
if attempts == max_attempts:
    print("Maximum login attempts reached. Access denied.")
```

Screenshot of code:

colab.research.google.com/drive/111UfttXcBt3T2Z2CsexebiaxYSvxUF6O#scrollTo=9inlrkWC6UQ

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```

Enter username: Tim
Enter password: 12345
Correct username and password. Access granted!

Double-click (or enter) to edit

16s completed at 8:51 AM

Output:

Enter username: Tim
Enter password: 12345
Correct username and password. Access granted!

... Enter username: Tim
Enter password: 56789
Incorrect username or password. Please try again.
Enter username:

colab.research.google.com/drive/111UfttXcBt3T2Z2CsexebiaxYSvxUF6O#scrollTo=9inlrkWC6UQ

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Enter username: Tim
Enter password: 56789
Incorrect username or password. Please try again.
Enter username: Tim
Enter password: 789990
Incorrect username or password. Please try again.
Enter username: Tim
Enter password: 675678
Incorrect username or password. Please try again.
Maximum login attempts reached. Access denied.

Double-click (or enter) to edit

