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COURSE CODE: CSC 102
COURSE TITLE: INTRODUCTION TO PROBLEM SOLVING
MATRIC-NUMBER: EU220102-3069
GITHUB LINK:
https://github.com/ABIODUNTHEKING/PASSWORD_VALIDATOR

ALGORITHM FOR VERIFYING A PASSWORD

1. Create an input statement using the input function to get the user's username
2. Assign user input(username) to the variable username
3. Create a function called accept_input to validate user's password
4. In the function make the variables password, confirm_password and confirm_new_password and usercode global variables using the statement global before each variable name
5. Import the function random
6. import the function string
7. Create an input statement using the input function to get the user's password
8. Assign user input(password) to the variable password
9. Create an input statement using the input function to confirm the user's password
10. Assign user second input(password) to the variable confirm_password
11. Use the random and string function to generate alphabets and assign them to the variable user code
12. In the function create an if conditional_statement to check if the data of the variables confirm_password and password are equal
13. If the conditional_statement is satisfied print the text that indicates the password has been verified and show the user code
14. if the condition is not met create an else conditional_statement
15. Within the else conditional_statement print the text showing the user has one more chance to put in the correct password
16. Create an input statement using the input function to get the user to confirm the password
17. Assign it to a variable reconfirmed_password
18. Within the else condition create an if conditional_statement to compare the variables reconfirmed_password and password
19. If the condition is satisfied print the text that indicates the password has been verified and show the user code
20. If the condition is not met print try an easier password
21. Call the accept_input function inside an else conditional_statement
22. Create a function called display_userinfo to print user information
23. Create an input statement using the input function to get the user's username
24. Assign the input to the variable display_username
24. Create an input statement using the input function to get the user's password
25. Assign it to the variable display_userpassword

25. Check if the variable display_username is equal to the variable 'username' and the if the variable display_password is equal to the variable 'password' or 'confirm_new_password' and 'user_code' is similar to the variable 'display_usercode'
26. If the condition is met print the account details(username and user code)
27. If the condition is not met print 'invalid username or password or user code
28. Call the function display_userinfo within the else condition
29. Call the function accept_input function
30. Call the function display_userinfo