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1  #Dictionaries Challenge 22: Database Admin Program
2
3  print("Welcome to the Database Admin Program")
4
5  #Create a dictionary to hold all username:password key-value pairs
6  log_on_information = {
7      'mooman74': 'alskes145',
8      'meramo1986': 'kehns010101',
9      'nickyD': 'world1star',
10     'george2': 'booo3oha',
11     'admin00': 'admin1234',
12 }
13
14 #Get user input
15 username = input("Enter your username: ")
16
17 #Simulate logging on...
18 #Get user password
19 if username in log_on_information.keys():
20     password = input("Enter your password: ")
21     if password == log_on_information[username]:
22         print("\nHello " + username + "! You are logged in!")
23         if username == 'admin00':
24             #Show the whole database to the admin account
25             print("\nHere is the current user database:")
26             for key, value in log_on_information.items():
27                 print("Username: " + key + "\t\tPassword: " + value)
28         else:
29             #Allow standard user to change their password
30             password_change = input("Would you like to change your password (yes/no): ").lower().strip()
31             if password_change == 'yes':
32                 new_password = input("What would you like your new password to be (min 8 chars): ")
33                 if len(new_password) >= 8:
34                     log_on_information[username] = new_password
35                 else:
36                     print(new_password + " is not the minimum eight characters.")
37                 print("\n" + username + " your password is " + log_on_information[username] + ".")
38             else:
39                 print("\nThank you, goodbye.")
40             #User did not enter their password correctly
41         else:
42             print("Password incorrect!")
43     #User not in database
44 else:
45     print("Username not in database. Goodbye.")

```