Algorithm

This algorithm is used to create a simple banking application using python3

Function for encrypting password:

1. While loop until i = length of password
2. Storing ASCII value of password element in temp variable and manipulating if it’s an alphabet or a digit otherwise keeping it same
3. Saving the encrypted password element into an empty string

Function for depositing:

1. Storing current balance of user in temp variable
2. Adding temp variable with deposited money
3. Updating user current bank balance
4. Printing the new balance

Function for withdrawing

1. Storing current balance of user in temp variable
2. Minusing withdraw amount from user current balance
3. Updating user current bank balance
4. Printing the new balance
5. Printing personal and school information
6. Creating empty dictionary
7. Asking for user Id and storing it into dictionary
8. Asking for user password and storing it into dictionary in an encrypted form
9. Asking for user current bank balance
10. Creating a while loop that’s keeps on lopping until user enter 6
    1. Asking for user choice
    2. Creating an if loop that see if user is logged in or not using bool variable
    3. Creating an elif statement that only runs if user is logged. It let user use the bank services
       1. If user enters 2 it let user deposit money into his account
       2. If user enter 3 it let user withdraw money from his account if his account has enough money
       3. If user enter 4, it prints out user current balance
       4. If user enter 5, it let user change the password of its account
    4. Creating an elif statement that output user information even though he is not logged in
    5. Creating an elif statement that output thank you message when user exit
    6. Creating an else statement that output error statement if user enter out of context integer