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# SIMPLE LOGIN SYSTEM
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# Reviewer (Hiligaynon):
# Simple authentication example lang ini.
# May stored nga email kag hashed password.
# Kung sala ang password, maggwa error.

import hashlib

# =====
# STORED USER (SIMULATION LANG)
# =====

stored_email = "admin@gmail.com"

# Ginahash naton ang password para indi plain text
def hash_password(password):
    return hashlib.sha256(password.encode()).hexdigest()

stored_password = hash_password("12345") # original password is 12345

# =====
# LOGIN FUNCTION
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# =====

def login():

    email = input("Enter Email: ")

    password = input("Enter Password: ")

    # Input Validation

    if email == "" or password == "":

        print("Error: All fields are required.")

        return

    # Authentication check

    if email == stored_email and hash_password(password) == stored_password:

        print("Login Successful ✓")

    else:

        # Error Handling

        # Reviewer:

        # Indi ginapakita kung ano gid ang sala (email or password)

        # para mas secure ang system.

        print("Error: Invalid email or password ✗")

# =====

# RUN LOGIN

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login()