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# =====
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# SIMPLE LOGIN SYSTEM
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# =====
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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
```

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# =====
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```
# 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
```

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# =====
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```
# 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
```

```
# =====
```

login()