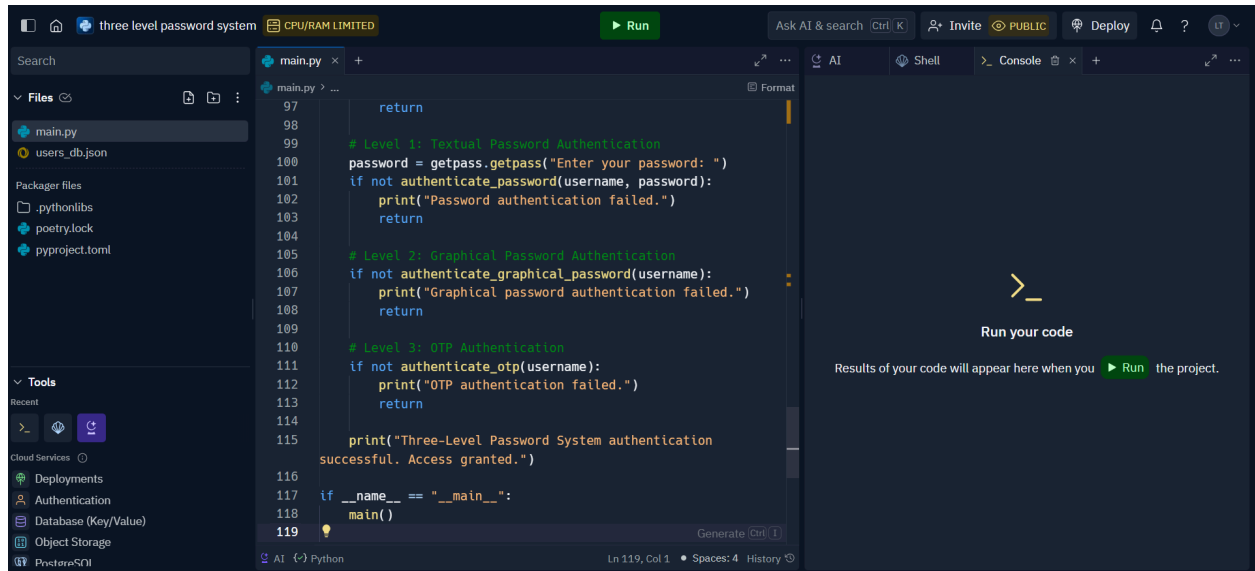


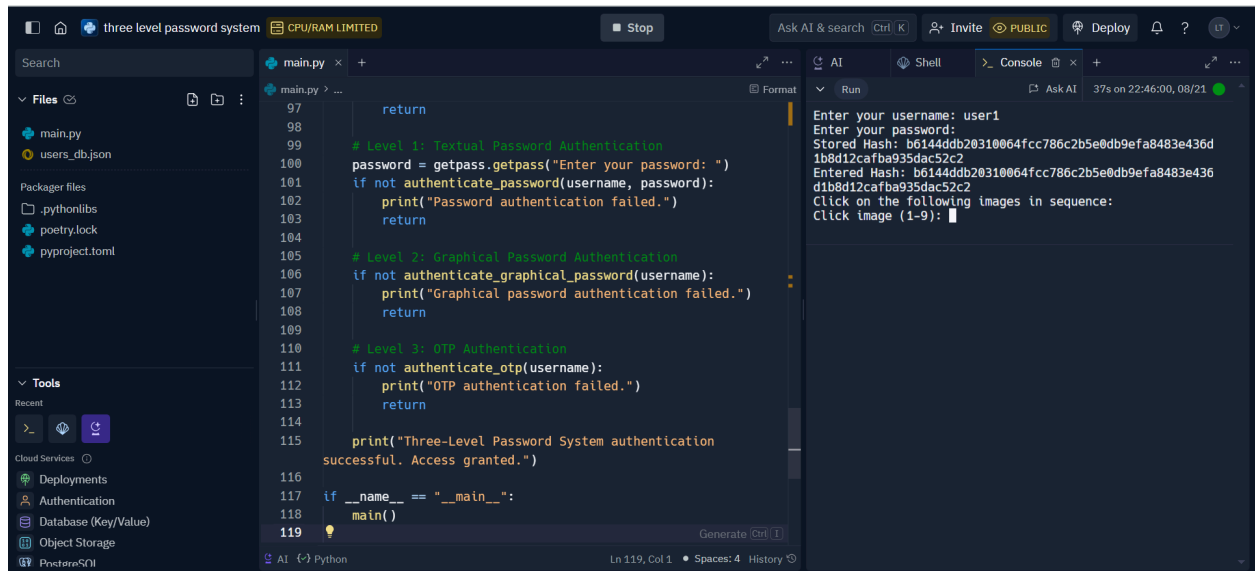
THREE LEVEL PASSWORD SYSTEM



```
97     return
98
99     # Level 1: Textual Password Authentication
100    password = getpass.getpass("Enter your password: ")
101    if not authenticate_password(username, password):
102        print("Password authentication failed.")
103        return
104
105    # Level 2: Graphical Password Authentication
106    if not authenticate_graphical_password(username):
107        print("Graphical password authentication failed.")
108        return
109
110    # Level 3: OTP Authentication
111    if not authenticate_otp(username):
112        print("OTP authentication failed.")
113        return
114
115    print("Three-Level Password System authentication
successful. Access granted.")
116
117 if __name__ == "__main__":
118     main()
119
```

Run your code

Results of your code will appear here when you **Run** the project.



```
97     return
98
99     # Level 1: Textual Password Authentication
100    password = getpass.getpass("Enter your password: ")
101    if not authenticate_password(username, password):
102        print("Password authentication failed.")
103        return
104
105    # Level 2: Graphical Password Authentication
106    if not authenticate_graphical_password(username):
107        print("Graphical password authentication failed.")
108        return
109
110    # Level 3: OTP Authentication
111    if not authenticate_otp(username):
112        print("OTP authentication failed.")
113        return
114
115    print("Three-Level Password System authentication
successful. Access granted.")
116
117 if __name__ == "__main__":
118     main()
119
```

Enter your username: user1
Enter your password:
Stored Hash: b6144ddb20310064fcc786c2b5e0db9efa8483e436d1b8d12cafa935dac52c2
Entered Hash: b6144ddb20310064fcc786c2b5e0db9efa8483e436d1b8d12cafa935dac52c2
Click on the following images in sequence:
Click image (1-9):

three level password systemCPU/RAM LIMITED

Stop

Ask AI & searchCtrl K

InvitePUBLIC

Deploy

?

1T

Search

Files

main.py

users_db.json

Packager files

.pythonlibs

poetry.lock

pyproject.toml

Tools

Recent

Cloud Services

Deployments

Authentication

Database (Key/Value)

Object Storage

PrivateSQL

main.py

main.py > ...

Format

Run

Ask AI

1m on 22:46:00, 08/21

97

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return

Level 1: Textual Password Authentication

password = getpass.getpass("Enter your password: ")

if not authenticate_password(username, password):

print("Password authentication failed.")

return

Level 2: Graphical Password Authentication

if not authenticate_graphical_password(username):

print("Graphical password authentication failed.")

return

Level 3: OTP Authentication

if not authenticate_otp(username):

print("OTP authentication failed.")

return

print("Three-Level Password System authentication

successful. Access granted.")

if __name__ == "__main__":

main()

Enter your username: user1

Enter your password:

Stored Hash: b6144ddb20310064fcc786c2b5e0db9efa8483e436d1b8d12cafb935dac52c2

Entered Hash: b6144ddb20310064fcc786c2b5e0db9efa8483e436d1b8d12cafb935dac52c2

Click on the following images in sequence:

Click image (1-9): 2

Click image (1-9): 5

Click image (1-9): 8

three level password systemCPU/RAM LIMITED

Run

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Tools

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main.py

main.py > ...

Format

Run

Ask AI

59s on 22:59:09, 08/21

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print(f"Generated OTP: {generated_otp}") # Debug

statement

Simulate sending OTP to user

user_otp = input("Enter the OTP: ")

Validate entered OTP

if totp.verify(user_otp):

print("OTP authentication successful.")

return True

else:

print("OTP authentication failed.")

return False

def main():

username = input("Enter your username: ")

if username not in users_db:

print("User does not exist.")

return

Level 1: Textual Password Authentication

password = getpass.getpass("Enter your password: ")

if not authenticate_password(username, password):

Enter your username: user1

Enter your password:

Click on the following images in sequence:

Click image (1-9): img2

Click image (1-9): img5

Click image (1-9): img8

Your OTP is: 889134

Enter the OTP received: 889134

Enter the OTP: 889134

OTP authentication failed.

OTP authentication failed.

Run

Ask AI

44s on 23:09:34, 08/21

Enter your username: user1

Enter your password:

Click on the following images in sequence:

Click image (1-9): img2

Click image (1-9): img5

Click image (1-9): img8

Generated OTP: 452734

Enter the OTP: 452734

OTP authentication successful.

Three-Level Password System authentication successful. Access granted.