

E:\otpver.py

```
1 import random
2
3 # Function to generate OTP
4 def generate_otp(length):
5     numbers = "0123456789"
6     otp = ""
7     for _ in range(length):
8         otp += random.choice(numbers)
9     return otp
10
11 # Function to send OTP (in this example, print to console)
12 def send_otp(otp):
13     print(f"Your OTP is: {otp}")
14
15 # Function to validate OTP
16 def validate_otp(otp_entered, otp_generated):
17     return otp_entered == otp_generated
18
19 # Main function to simulate OTP verification process
20 def main():
21     # Generate a 6-digit OTP
22     otp = generate_otp(6)
23
24     # Simulate sending OTP
25     send_otp(otp)
26
27     # Prompt user to enter OTP
28     otp_entered = input("Enter the OTP sent to your device: ").strip()
29
30     # Validate OTP
31     if validate_otp(otp_entered, otp):
32         print("OTP Verified successfully!")
33     else:
34         print("Invalid OTP. Please try again.")
35
36 if __name__ == "__main__":
37     main()
38
```