Python

Password Generator

```
import random
import string

def generate_password(length=12):
    # Define character pool
    characters = string.ascii_letters + string.digits + string.punctuation
    # Randomly select characters from the pool
    password = ''.join(random.choice(characters) for _ in range(length))
    return password

# Generate and display the password
rint("Generated Password:", generate_password(12))

input

Generated Password: d~: [I$zTI‡.&
```

To-Do List (CLI)

₩ 🖈 📭 💸 💙 1. Add Task View Tasks Remove Task 4. Exit Enter choice: 1 Enter task: Morning Exercise Task added! 1. Add Task View Tasks Remove Task 4. Exit Enter choice: 1 Enter task: sleep Early Task added! 1. Add Task View Tasks Remove Task 4. Exit Enter choice: 2 To-Do List: Morning Exercise sleep Early 1. Add Task View Tasks Remove Task 4. Exit Enter choice: 3 Enter task number to remove: 2 Task removed! 1. Add Task View Tasks Remove Task 4. Exit Enter choice: 2 To-Do List: Morning Exercise 1. Add Task View Tasks Remove Task 4. Exit Enter choice: 4

Weather App (API-based)

```
import requests
  4 API KEY = "8f2d6822fb2e4524adf20f8132e6f463"
  5 city = input("Enter city name: ")
     # Construct the API URL
  8 url = f"http://api.openweathermap.org/data/2.5/weather?q={city}&appid={API_KEY}&units=metric"
 10 # Fetch the weather data
 11 response = requests.get(url).json()
  14 if response["cod"] == 200:
         print(f"\nCity: {response['name']}")
         print(f"Temperature: {response['main']['temp']}°C")
         print(f"Weather: {response['weather'][0]['description']}")
         print("\nCity not found!")
✓ ✓ P ♦ 3
                                                                                   input
Enter city name: London
City: London
Temperature: 3.94°C
Weather: overcast clouds
```

Number Guessing Game

```
import random

description

from the series of the se
```

```
Guess the number (1-100): 12
Too low! Try again.
Guess the number (1-100): 68
Too high! Try again.
Guess the number (1-100): 50
Too low! Try again.
Guess the number (1-100): 60
Too high! Try again.
Guess the number (1-100): 55
Too high! Try again.
Guess the number (1-100): 55
Cuess the number (1-100): 55
Cuess the number (1-100): 52
Congratulations! You guessed it right.
```

QR Code Generator

