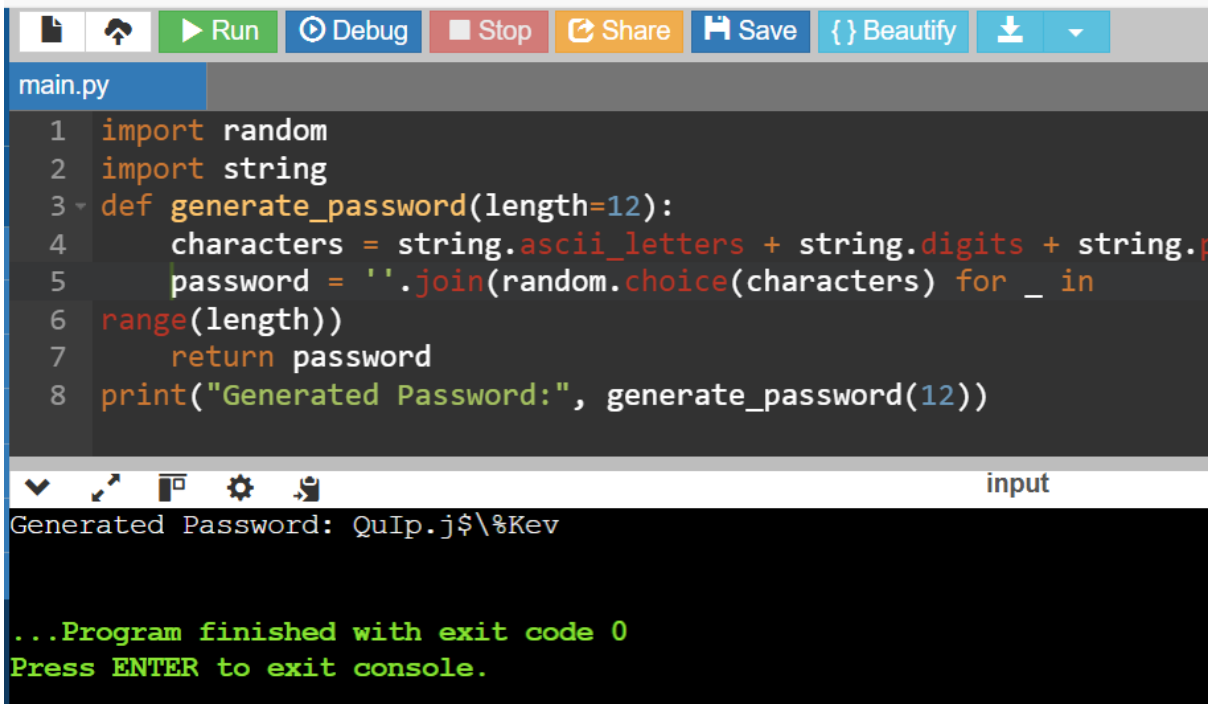
PYTHON BASIC PROJECT

1. **PASSWORD GENERATOR**



2. **TO-DO LIST**

Run Debug Stop Share Save { } Beautify

main.py

```python
tasks = []
while True:
    print("\n1. Add Task\n2. View Tasks\n3. Remove Task\n4. Exit")
    choice = input("Enter choice: ")
    if choice == "1":
        task = input("Enter task: ")
        tasks.append(task)
        print("Task added!")
    elif choice == "2":
        print("\nTo-Do List:")
        for idx, task in enumerate(tasks, 1):
            print(f"{idx}. {task}")
    elif choice == "3":
        task_num = int(input("Enter task number to remove: "))
        if 0 < task_num <= len(tasks):
            tasks.pop(task_num - 1)
            print("Task removed!")
    elif choice == "4":
        break
    else:
        print("Invalid choice. Try again.")

```

OUTPUT

input

```
1. Add Task
2. View Tasks
3. Remove Task
4. Exit
Enter choice: 1
Enter task: work
Task added!

1. Add Task
2. View Tasks
3. Remove Task
4. Exit
Enter choice: 1
Enter task: read
Task added!

1. Add Task
2. View Tasks
3. Remove Task
4. Exit
Enter choice: 1
Enter task: sleep
Task added!

1. Add Task
2. View Tasks
3. Remove Task
4. Exit
Enter choice: 2

To-Do List:
1. work
2. read
3. sleep

1. Add Task
2. View Tasks
3. Remove Task
4. Exit
```

3. WEATHER APP (API Based)

main.py

```python
import requests
API_KEY = "8f2d6822fb2e4524adf20f8132e6f463"
city = input("Enter city name: ")
url = f"http://api.openweathermap.org/data/2.5/weather?q={city}&appid={API_KEY}&units=metric"
response = requests.get(url).json()
if response["cod"] == 200:
    print(f"\nCity: {response['name']}")
    print(f"Temperature: {response['main']['temp']}°C")
    print(f"Weather: {response['weather'][0]['description']}")
else:
    print("\nCity not found!")
```

input

```
Enter city name: hyderabad

City: Hyderabad
Temperature: 28.92°C
Weather: few clouds
```

4. NUMBER GUESSING GAME

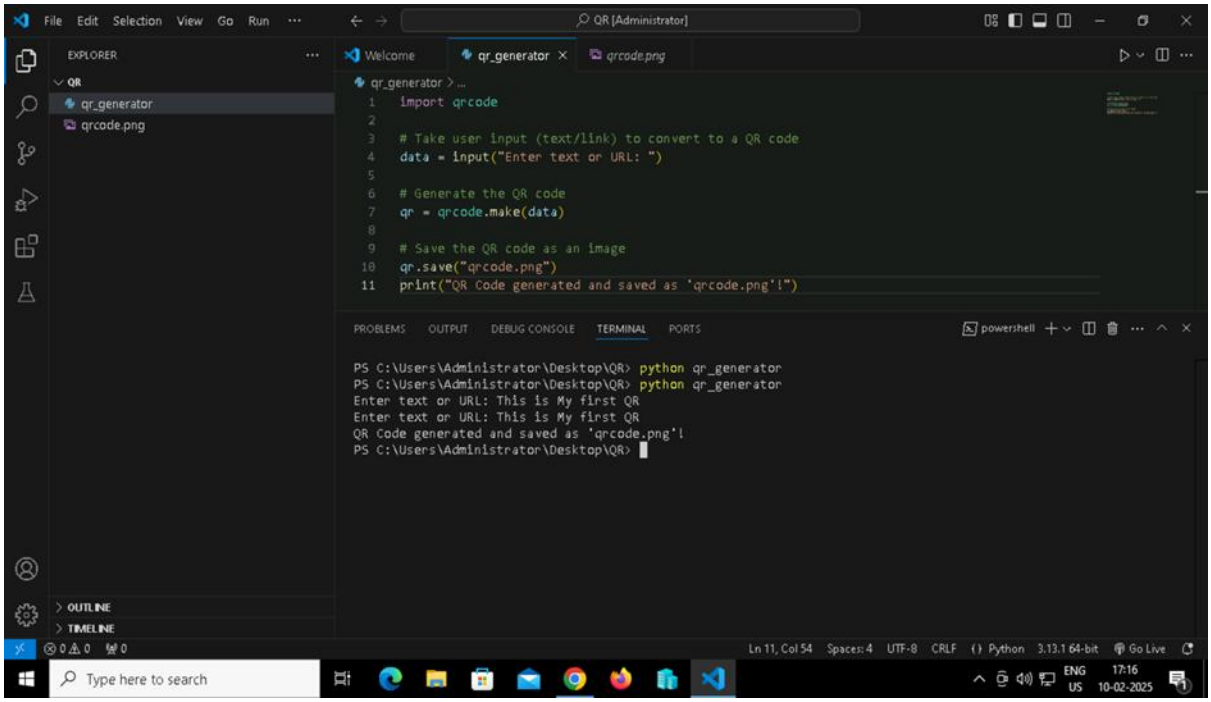
main.py

```python
import random
number = random.randint(1, 100)
while True:
    guess = int(input("Guess the number (1-100): "))
    if guess < number:
        print("Too low! Try again.")
    elif guess > number:
        print("Too high! Try again.")
    else:
        print("Congratulations! You guessed it right.")
        break
```

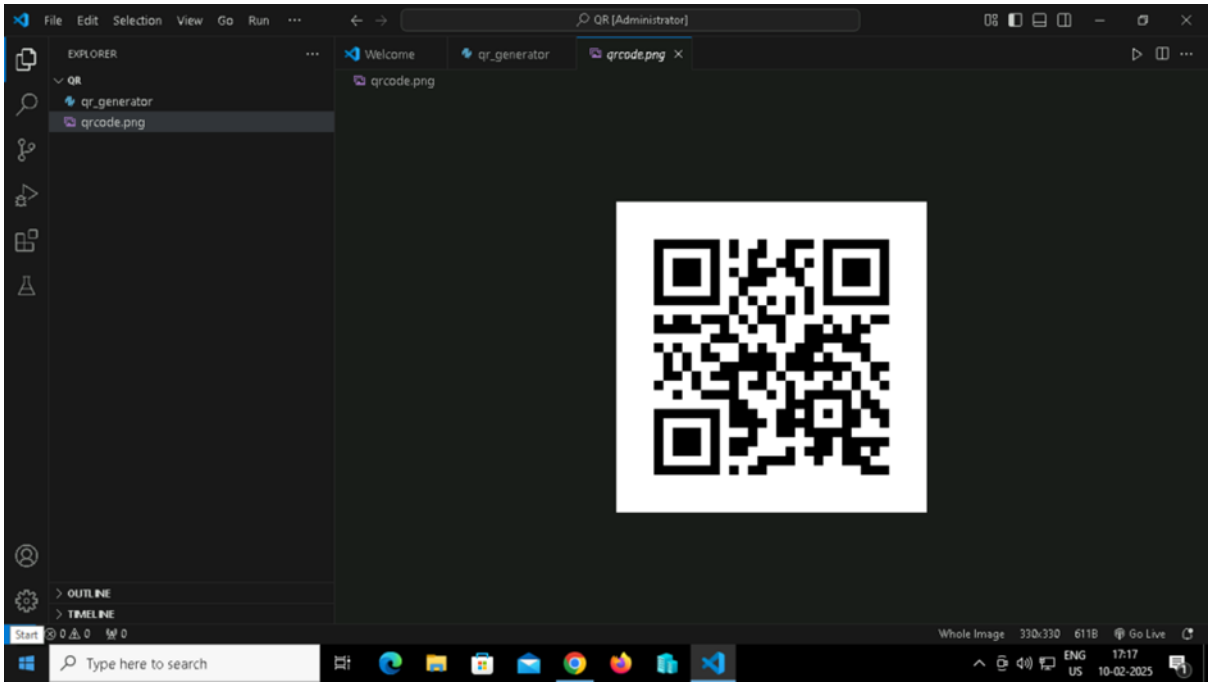
input

```
Guess the number (1-100): 22
Too low! Try again.
Guess the number (1-100): 6
Too low! Try again.
Guess the number (1-100): 15
Too low! Try again.
Guess the number (1-100): 25
Too low! Try again.
Guess the number (1-100): 35
Congratulations! You guessed it right.
```

5. QR CODE GENERATOR



OUTPUT


File Edit Selection View Go Run
QR [Administrator]
EXPLORER
QR
qr_generator
qrcode.png
Welcome
qr_generator
qrcode.png
qrcode.png
OUTLINE
TIMELINE
Start
Whole Image 330x330 611B Go Live
Type here to search
ENG
US
17:17
10-02-2025