Q7) Use SonarQube on Windows machine to test python file. Include passed and failed test scenarios

**Create a local project**

Project display name * ⓘ

`Q7`

Project key * ⓘ

`Q7`

Main branch name *

`main`

The name of your project's default branch Learn More ☑

Cancel   Next

**Set up new code for project**

The new code definition sets the criteria for what's considered new code, allowing you to focus on the most recent changes in your project.

This setting allows project administrators to customize the new code definition for their project. Learn more in documentation ☑

**Follows the instance's default**

Current default: Previous version

**Is custom**

Choose whether it should be the **previous version**, a **number of days** or a **reference branch**

Back   Create project

## Analyze your project

We initialized your project on SonarQube Community Build, now it's up to you to launch analyses!

**1 Provide a token**

Generate a project token    Use existing token

Token name * ⓘ                Expires in

`Analyze "Q7"`                 `30 days`  ⌄   Generate

ⓘ Please note that this token will only allow you to analyze the current project. If you want to use the same token to analyze multiple projects, you need to generate a global token in your user account ☑. See the documentation for more information.

The token is used to identify you when an analysis is performed. If it has been compromised, you can revoke it at any point in time in your user account ☑.

Analyze "Q7": sqp_a8595497bbe643599f68c144d78c3e7215911c5d 🗑

**sqp_a8595497bbe643599f68c144d78c3e7215911c5d**

**2 Run analysis on your project**

What option best describes your project?

Maven   Gradle   JS/TS & Web   .NET   Python   Other (for Go, PHP, ...)

**Install the Scanner for Python projects**

```
pip install pysonar
```

Please visit the **official documentation of the Scanner for Python projects** ☑ for more details.
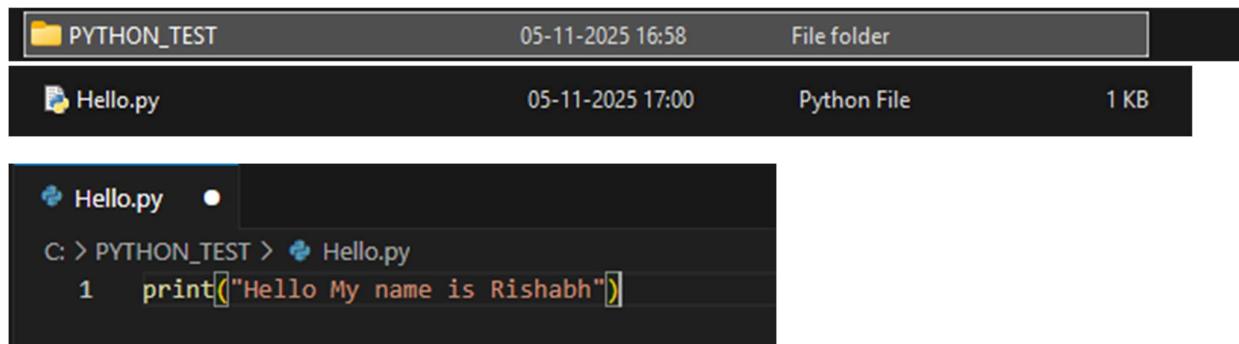
**Execute the Scanner**

Running a SonarQube analysis with the Scanner for Python projects is straightforward. You just need

```
pysonar \
  --sonar-host-url=http://localhost:9000 \
  --sonar-token=sqp_a8595497bbe643599f68c144d78c3e7215911c5d \
  --sonar-project-key=Q7
```

Please visit the **official documentation of the Scanner for Python projects** ☑ for more details.

Create a new folder in C drive and then create a new python file in the same folder

| 📁 PYTHON_TEST | 05-11-2025 16:58 | File folder | |
|---|---|---|---|
| 🐍 Hello.py | 05-11-2025 17:00 | Python File | 1 KB |

```
🐍 Hello.py  ●

C: > PYTHON_TEST > 🐍 Hello.py
  1    print("Hello My name is Rishabh")
```

Then Open the command prompt in this folder and run the following

```
C:\PYTHON_TEST>python Hello.py
Hello My name is Rishabh
```

```
C:\PYTHON_TEST>pip install pysonar
```
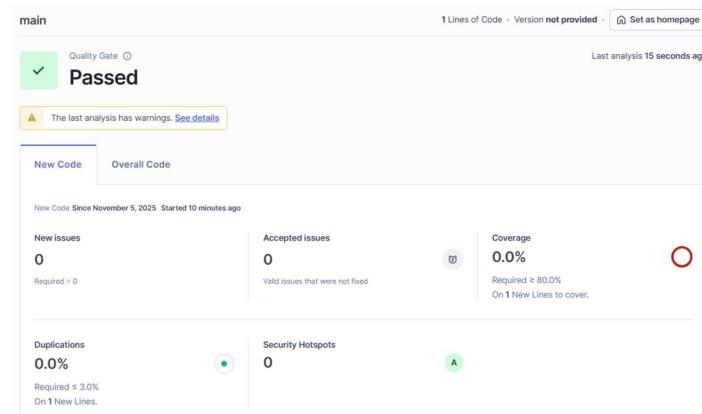
```
pysonar \
   --sonar-host-url=http://localhost:9000 \
   --sonar-token=sqp_a8595497bbe643599f68c144d78c3e7215911c5d \
   --sonar-project-key=Q7
```

Then paste this command into the terminal, note: remove the \ at the end of each line
The code would look like this:

**pysonar --sonar-host-url=http://localhost:9000 --sonar-token=sqp_a8595497bbe643599f68c144d78c3e7215911c5d --sonar-project-key=Q7**

```
C:\PYTHON_TEST>pysonar --sonar-host-url=http://localhost:9000 --sonar-token=sqp_a8595497bbe643599f68c144d78c3e7215911c5d
 --sonar-project-key=Q7
INFO: Starting the analysis...
INFO: Starting SonarScanner Engine...
INFO: Java 17.0.13 Eclipse Adoptium (64-bit)
INFO: Load global settings
INFO: Load global settings (done) | time=169ms
INFO: Server id: 147B411E-AZpS-gaINdBed-VTBWoR
INFO: Loading required plugins
INFO: Load plugins index
```

```
INFO: More about the report processing at http://localhost:9000/api/ce/task?id=b26e767b-041a-4ccf-b5ee-d116ea54690e
INFO: Analysis total time: 10.546 s
INFO: SonarScanner Engine completed successfully
```

main                                                    1 Lines of Code · Version **not provided** · 🏠 Set as homepage

Quality Gate ⓘ                                                        Last analysis **15 seconds ago**
✓  **Passed**

⚠  The last analysis has warnings. See details

**New Code**    Overall Code

New Code **Since November 5, 2025**  Started 10 minutes ago

| New issues | Accepted issues | | Coverage | |
|---|---|---|---|---|
| 0 | 0 | 🗑 | 0.0% | ◯ |
| Required = 0 | Valid issues that were not fixed | | Required ≥ 80.0% On **1** New Lines to cover. | |

| Duplications | | Security Hotspots | |
|---|---|---|---|
| 0.0% | ● | 0 | Ⓐ |
| Required ≤ 3.0% On **1** New Lines. | | | |

Now, Change the code in the python file to:



Now after changing the python file, run the code: **pysonar --sonar-host-url=http://localhost:9000 --sonar-token=sqp_a8595497bbe643599f68c144d78c3e7215911c5d --sonar-project-key=Q7 , again**

```
C:\PYTHON_TEST>pysonar --sonar-host-url=http://localhost:9000 --sonar-token=sqp_a8595497bbe643599f68c144d78c3e7215911c5d
--sonar-project-key=Q7
INFO: Starting the analysis...
INFO: Starting SonarScanner Engine...
INFO: Java 17.0.13 Eclipse Adoptium (64-bit)
INFO: Load global settings
```

```
INFO: More about the report processing at http://localhost:9000/api/ce/task?id=c2a801a7-a922-4042-8a27-cd9bded00a21
INFO: Analysis total time: 5.597 s
INFO: SonarScanner Engine completed successfully
```

**main**

2 Lines of Code · Version **not provided** · ⌂ Set as homepage

Quality Gate ⓘ

❌ **Failed**

Last analysis **55 seconds ago**

⚠ The last analysis has warnings. See details

**New Code** `1 failed`   **Overall Code**

New Code Since November 5, 2025  Started 7 minutes ago

ⓘ Some Quality Gate conditions on New Code were ignored because of the small number of New Lines ❓

**New issues**

0

Required = 0

**Accepted issues**

0

Valid issues that were not fixed

**1 condition failed**

○ 0.0% Security Hotspots Reviewed is less than 100%

**Coverage**

0.0%

Required ≥ 80.0%
On **2** New Lines to cover.

○

**Duplications**

0.0%

Required ≤ 3.0%
On **2** New Lines.