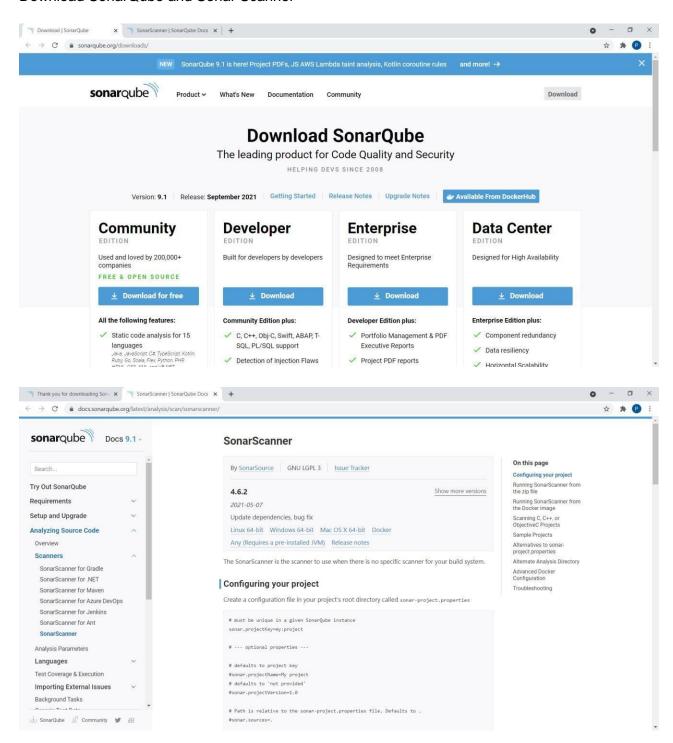
Assignment 7:SonarQube and Sonar Scanner

Download Sonar Qube and Sonar Scanner



After downloading, set Environment Variables. Add "sonarqube-9.1.0.47736\bin" to Path.

Open command prompt. Run commands:

- cd "sonarqube-9.1.0.47736\bin\windows-x86-64"
- StartSonar.bat

```
Microsoft intoloses [Version 10.0.19803.1227]
(c) Microsoft Comparation. All rights reserved.

(c) Microsoft Symposition of Comparation. All rights Reserved.

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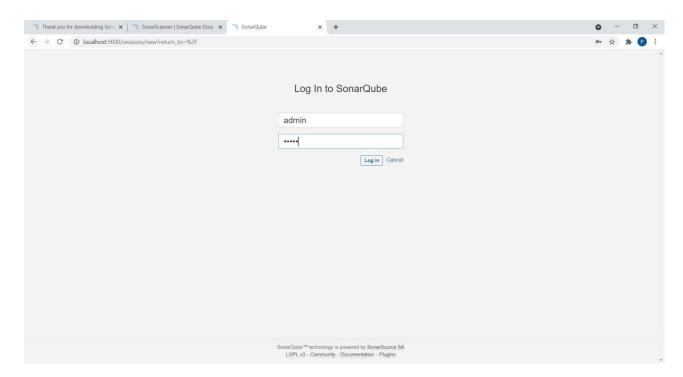
Open another command prompt. Run command:

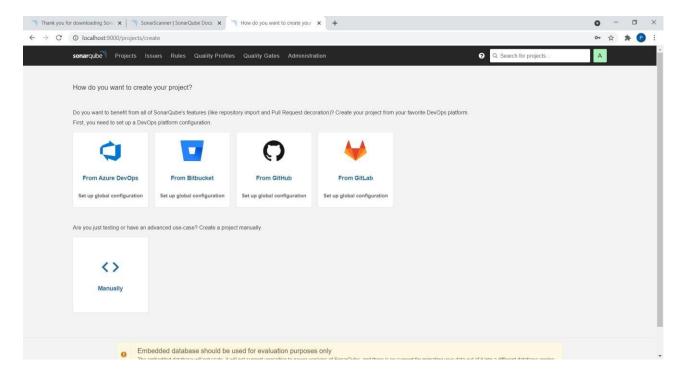
- cd "sonar-scanner-4.6.2.2472-windows\bin"
- sonar-scanner

```
Command Prompt
C:\Users\Priyansi\Downloads\sonar-scanner-4.6.2.2472-windows\bin>sonar-scanner
INFO: Scanner configuration file: C:\Users\Priyansi\Downloads\sonar-scanner-4.6.2.2472-windows\bin\..\conf\sonar-scanner
.properties
INFO: Project root configuration file: NONE
INFO: SonarScanner 4.6.2.2472
INFO: Java 11.0.11 AdoptOpenJDK (64-bit)
INFO: Windows 10 10.0 amd64
INFO: User cache: C:\Users\Priyansi\.sonar\cache
INFO: Scanner configuration file: C:\Users\Priyansi\Downloads\sonar-scanner-4.6.2.2472-windows\bin\..\conf\sonar-scanner
.properties
INFO: Project root configuration file: NONE
INFO: Analyzing on SonarQube server 9.1.0
INFO: Default locale: "en_IN", source code encoding: "windows-1252" (analysis is platform dependent)
INFO: Load global settings
INFO: -
INFO: EXECUTION FAILURE
INFO: ----
INFO: Total time: 3.958s
INFO: Final Memory: 5M/20M
INFO: ---
ERROR: Error during SonarScanner execution
ERROR: Not authorized. Analyzing this project requires authentication. Please provide a user token in sonar.login or oth
er credentials in sonar.login and sonar.password.
ERROR:
ERROR: Re-run SonarScanner using the -X switch to enable full debug logging.
C:\Users\Priyansi\Downloads\sonar-scanner-4.6.2.2472-windows\bin>
```

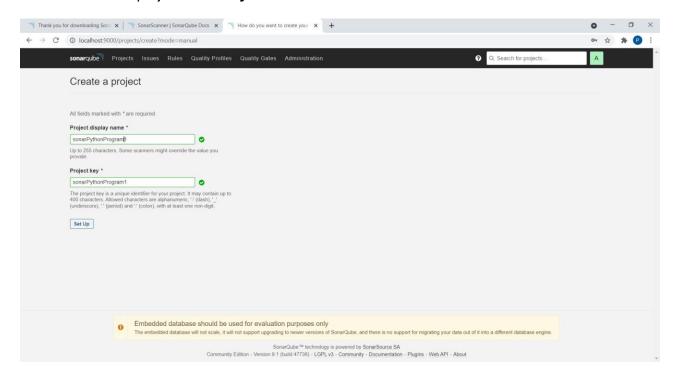
Server up and running on localhost:9000

Login using credentials as User: admin and Password: admin and Set a new password

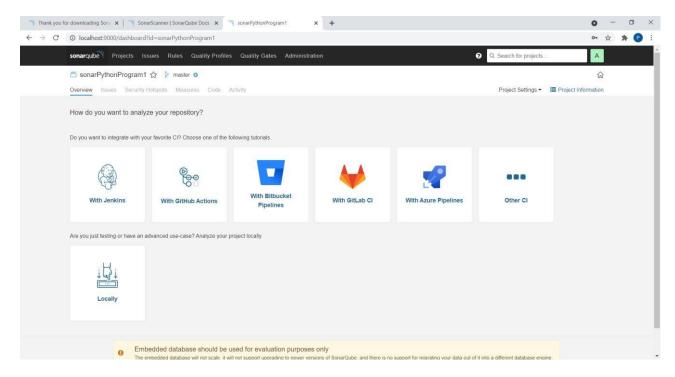




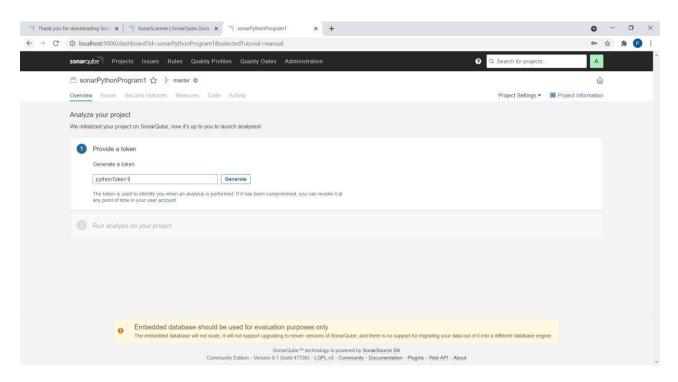
Click on Create a project Manually.



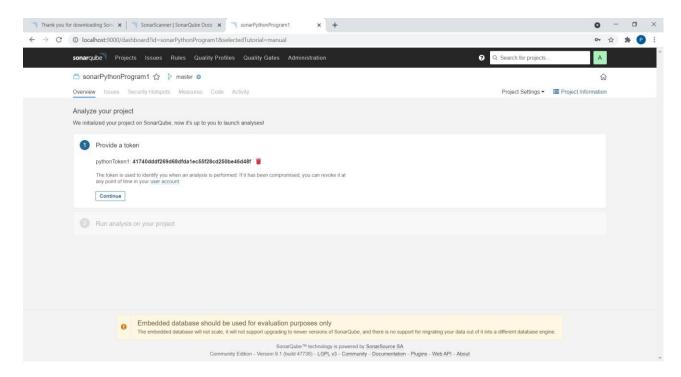
Give any Project display name.



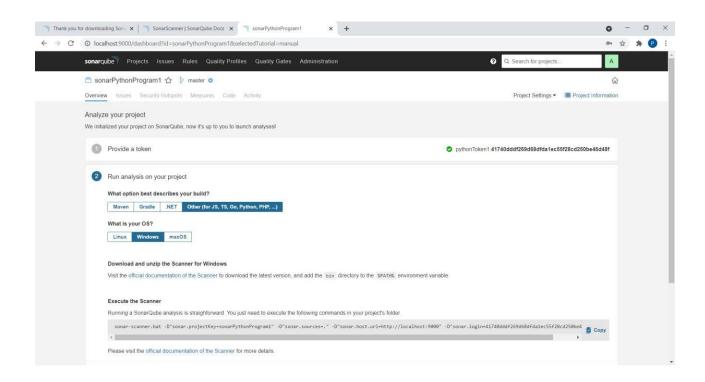
Click on Locally.



Give any name to token and click on **Generate**.



Click on Continue.



class Solution(object):
 def romanToInt(self, s):

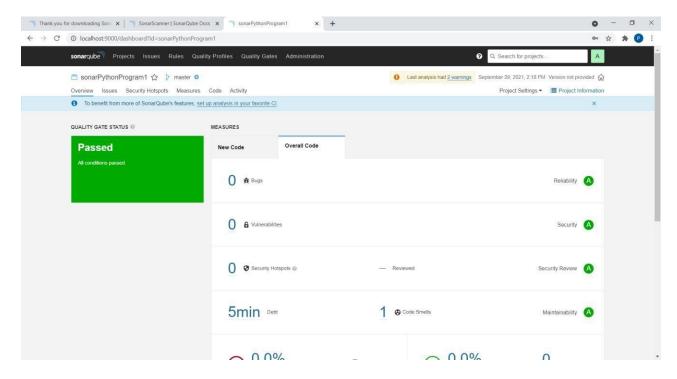
```
roman =
{'I':1,'V:5,'X:10,'L':50,'C':100,'D':500,'M':1000,'IV':4,'IX':9,'XL':40,'XC':90,'CD':400,'CM':900}
i = 0
num = " "
while i < len(s):
    if i+1<len(s) and s[i:i+2] in roman:
        num+=roman[s[i:i+2]]
        i+=2
    else:
        #print(i)
        num+=roman[s[i]]
        i+=1
    return num
ob1 = Solution()
print(ob1.romanToInt("III"))
print(ob1.romanToInt("CDXLIII"))
```

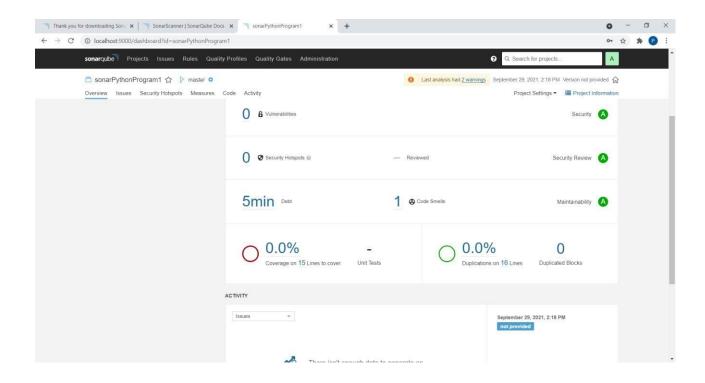
Open command prompt in this folder and Run program using copied command. "sonar-scanner.bat -D"sonar.projectKey=sonarPythonProgram1" -D"sonar.sources=." -D"sonar.host.url=http://localhost:9000" -D"sonar.login=41740dddf269d68dfda1ec55f28cd250be46d48f"

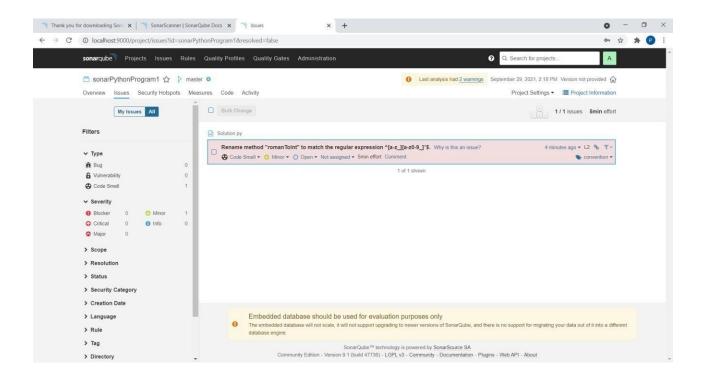
```
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Given below is the inspection of code quality to perform automatic reviews with static analysis of code to detect bugs, code smells, and security vulnerabilities.







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