

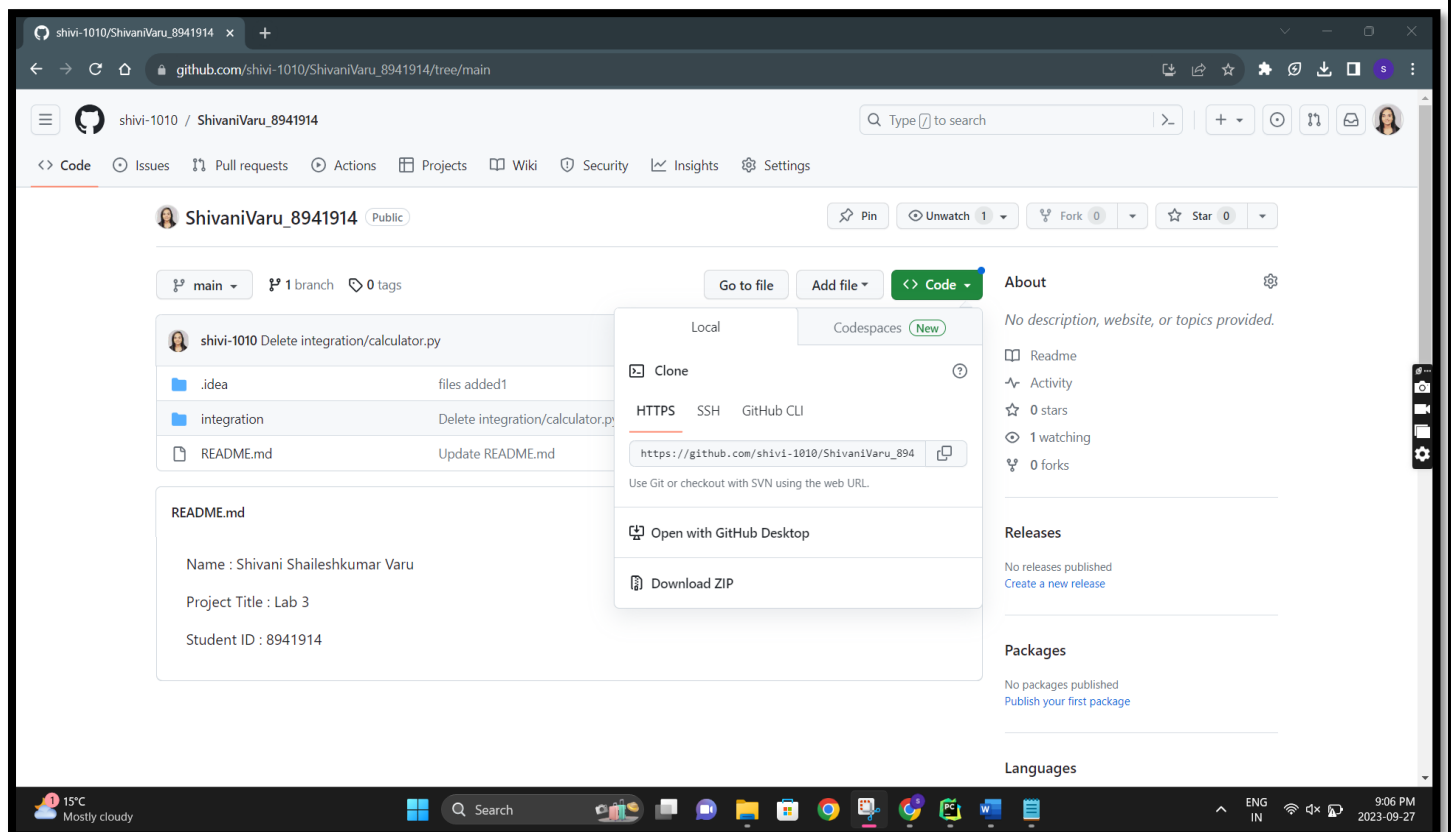
Lab - 4

Name: Shivani Shaileshkumar Varu

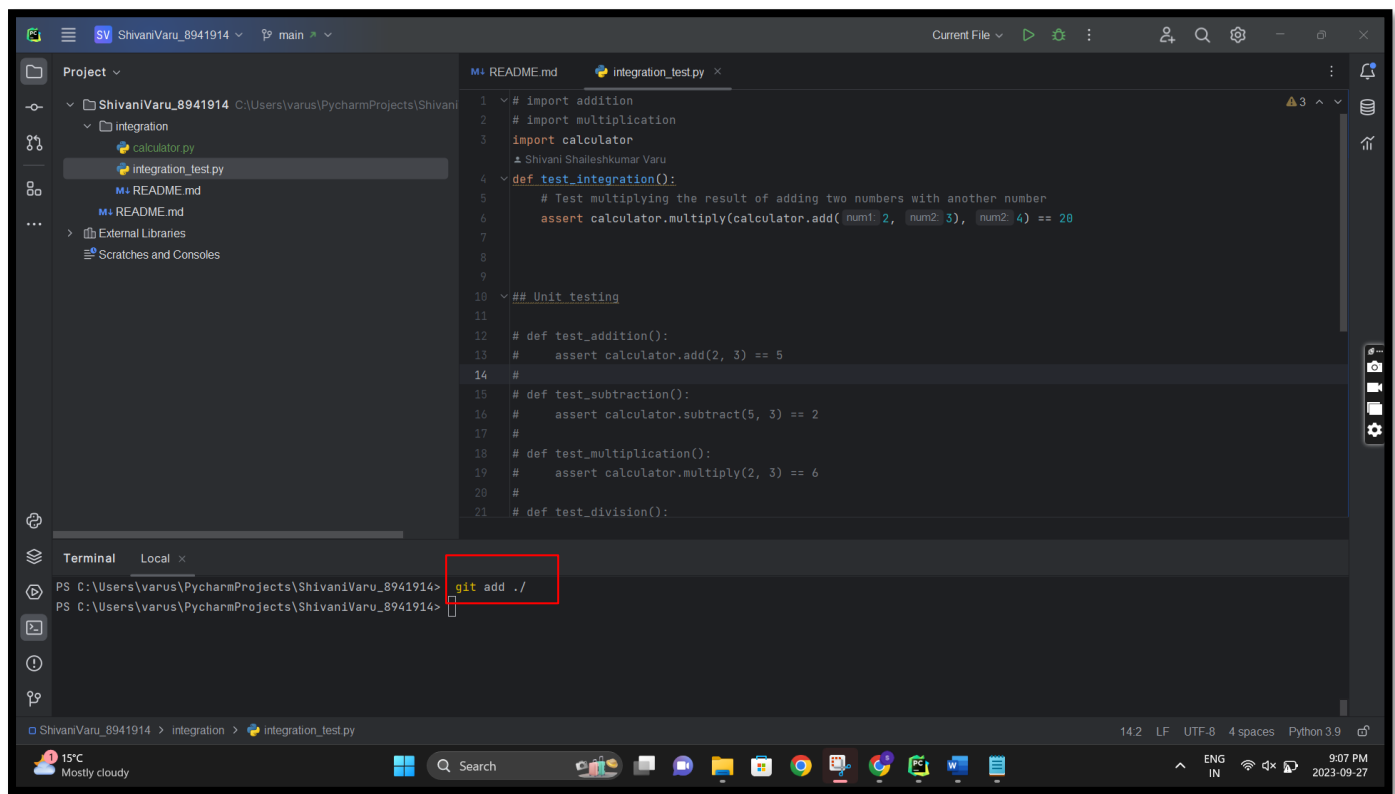
Student ID: 8941914

Section: 4

A: git clone : https://github.com/shivi-1010/ShivaniVaru_8941914.git



B: git add./

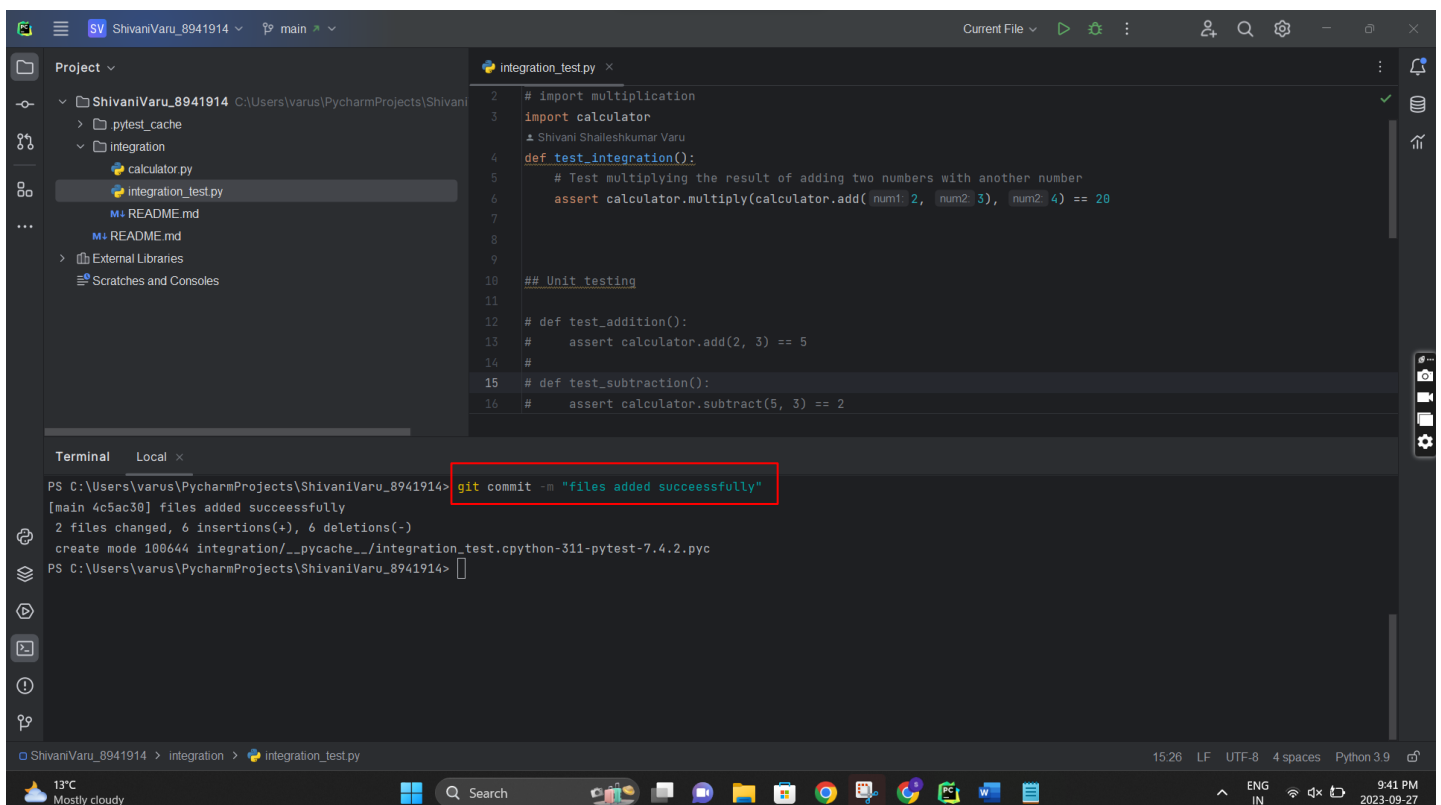


The screenshot shows the PyCharm IDE interface. The left sidebar displays the project structure with files like `calculator.py` and `integration_test.py`. The main editor window shows the content of `integration_test.py`, which includes import statements for `addition`, `multiplication`, and `calculator`, followed by a `test_integration()` function and unit tests. The bottom terminal window shows the command `git add .` being executed, which is highlighted with a red box. The status bar at the bottom indicates the file encoding as UTF-8 and the Python version as 3.9.

```
1 # import addition
2 # import multiplication
3 import calculator
4
5 def test_integration():
6     # Test multiplying the result of adding two numbers with another number
7     assert calculator.multiply(calculator.add( num1: 2, num2: 3), num2: 4) == 20
8
9
10 ## Unit testing
11
12 # def test_addition():
13 #     assert calculator.add(2, 3) == 5
14 #
15 # def test_subtraction():
16 #     assert calculator.subtract(5, 3) == 2
17 #
18 # def test_multiplication():
19 #     assert calculator.multiply(2, 3) == 6
20 #
21 # def test_division():
```

```
PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914> git add .
PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914>
```

C : git commit

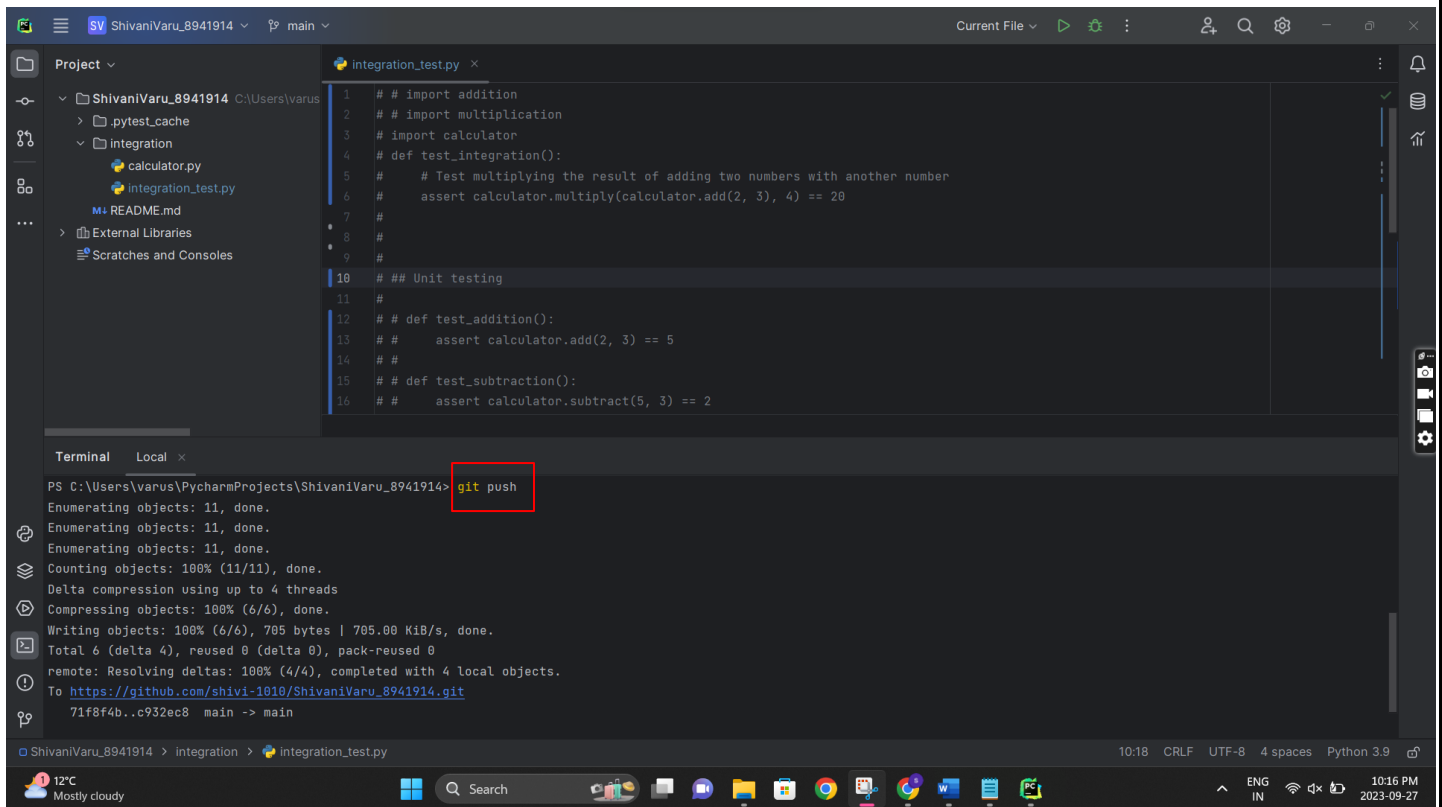


The screenshot shows the PyCharm IDE interface after the `git add .` command. The left sidebar shows the project structure. The main editor window shows the content of `integration_test.py`. The bottom terminal window shows the command `git commit -m "files added successfully"` being executed, which is highlighted with a red box. The terminal output shows the commit message and the files changed. The status bar at the bottom indicates the file encoding as UTF-8 and the Python version as 3.9.

```
2 # import multiplication
3 import calculator
4
5 def test_integration():
6     # Test multiplying the result of adding two numbers with another number
7     assert calculator.multiply(calculator.add( num1: 2, num2: 3), num2: 4) == 20
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```

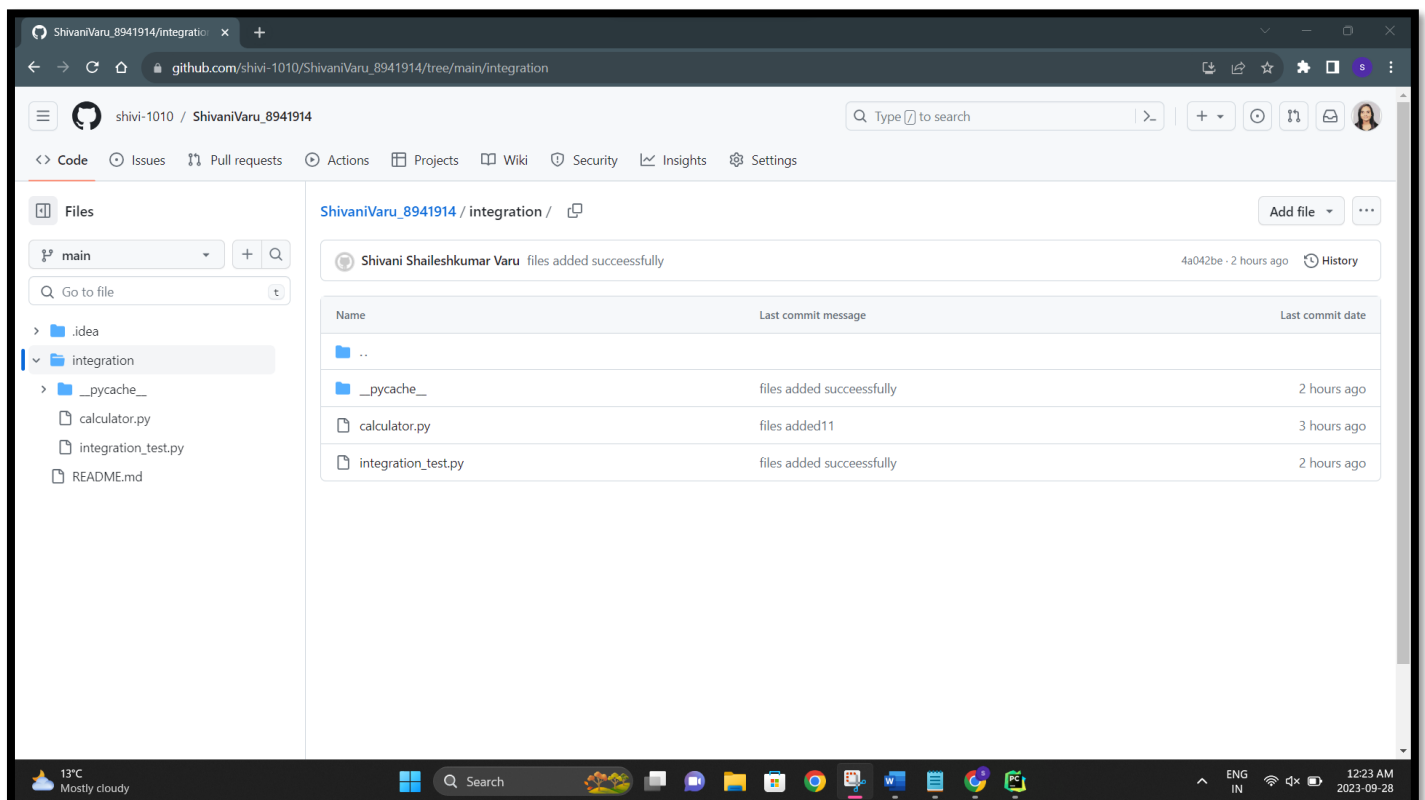
```
PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914> git commit -m "files added successfully"
[main 4c5ac30] files added successfully
2 files changed, 6 insertions(+), 6 deletions(-)
create mode 100644 integration/_.pycache_/integration_test.cpython-311-pytest-7.4.2.pyc
PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914>
```

D : git push



The screenshot shows the PyCharm IDE interface. The left sidebar displays the project structure for 'ShivaniVaru_8941914', including files like 'calculator.py', 'integration_test.py', and 'README.md'. The main editor window shows the content of 'integration_test.py', which contains Python code for testing a calculator module. The bottom terminal window shows the output of the 'git push' command, indicating a successful push to the remote repository. The command 'git push' is highlighted with a red box in the terminal.

```
PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914> git push
Enumerating objects: 11, done.
Enumerating objects: 11, done.
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 705 bytes | 705.00 KiB/s, done.
Total 6 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/shivi-1010/ShivaniVaru_8941914.git
71f8f4b..c932ec8 main -> main
```



The screenshot shows the GitHub repository page for 'ShivaniVaru_8941914'. The left sidebar displays the repository structure, including files like 'calculator.py', 'integration_test.py', and 'README.md'. The main content area shows the commit history, with a table listing the files added successfully. The table has columns for 'Name', 'Last commit message', and 'Last commit date'.

Name	Last commit message	Last commit date
..		
__pycache__	files added successfully	2 hours ago
calculator.py	files added11	3 hours ago
integration_test.py	files added successfully	2 hours ago