

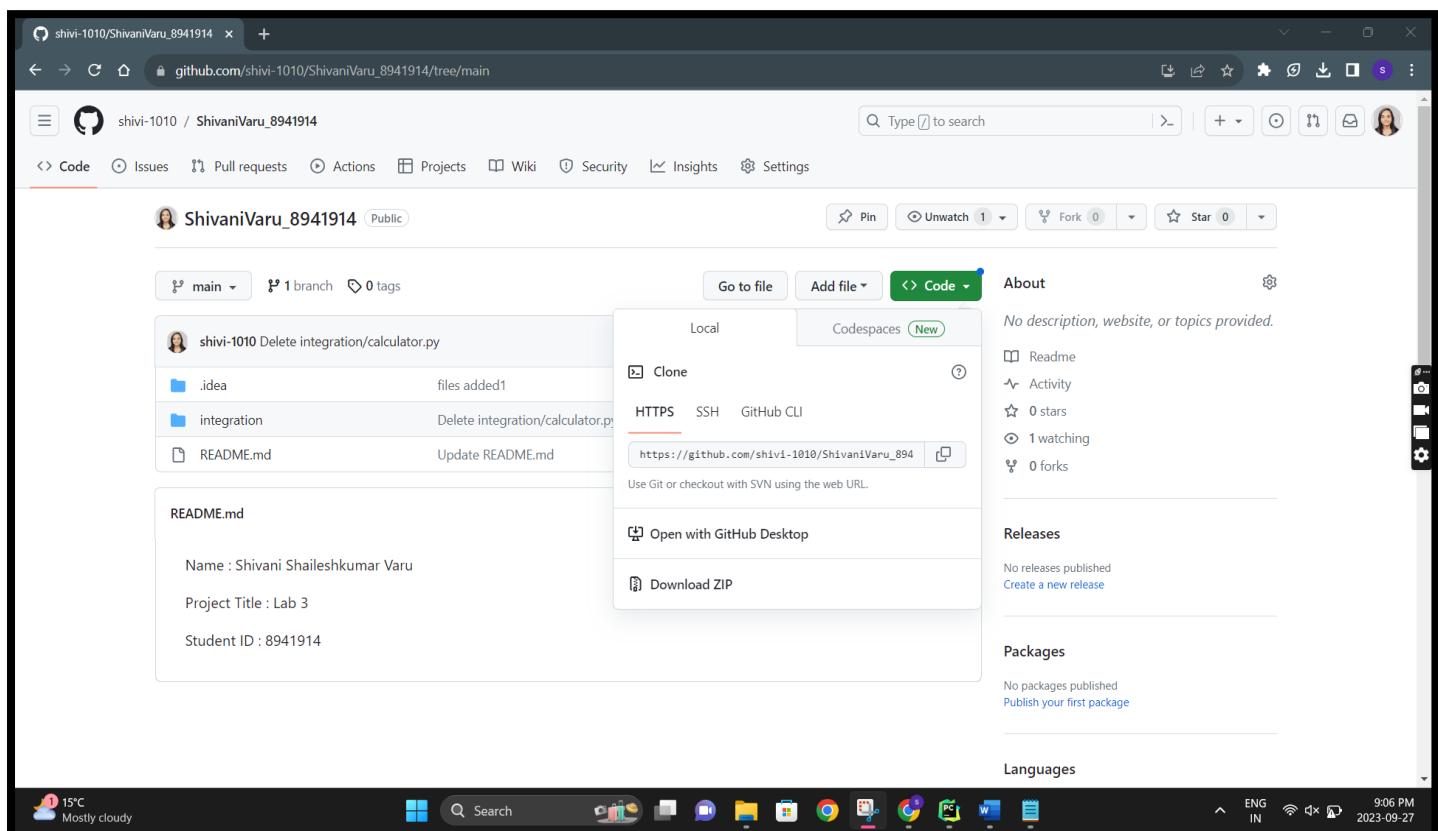
## Lab - 4

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**Section: 4**

**A: git clone : [https://github.com/shivi-1010/ShivaniVaru\\_8941914.git](https://github.com/shivi-1010/ShivaniVaru_8941914.git)**



## B: git add./

The screenshot shows the PyCharm IDE interface. The project structure on the left includes files like README.md, calculator.py, and integration\_test.py. The code editor on the right displays Python test code for a calculator module. The terminal at the bottom shows the command 'git add .' being run in the directory C:\Users\varus\PycharmProjects\ShivaniVaru\_8941914. A red box highlights the command in the terminal. The status bar at the bottom indicates the file is 14.2 LF, in UTF-8 encoding, with 4 spaces, and using Python 3.9.

```
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. The project structure on the left includes files like README.md, calculator.py, and integration\_test.py. The code editor on the right displays Python test code for a calculator module. The terminal at the bottom shows the command 'git commit -m "files added successfully"' being run in the directory C:\Users\varus\PycharmProjects\ShivaniVaru\_8941914. A red box highlights the command in the terminal. The status bar at the bottom indicates the file is 15.26 LF, in UTF-8 encoding, with 4 spaces, and using Python 3.9.

```
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 a project structure with a file named 'integration\_test.py' selected. The main editor window shows the code for this file. Below the editor is a terminal window with the following content:

```
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 command 'git push' is highlighted with a red box. The status bar at the bottom right shows the date and time as 2023-09-27 10:16 PM.

The screenshot shows a GitHub repository page for 'ShivaniVaru\_8941914/integration'. The left sidebar lists files in the 'main' branch, including '.idea', 'calculator.py', 'integration.py', 'integration\_test.py', and 'README.md'. The main content area shows a commit history:

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

The commit message 'Shivani Shaileshkumar Varu files added successfully' is visible above the table. The status bar at the bottom right shows the date and time as 2023-09-27 12:23 AM.

## Assignment - 2

**Name: Shivani Shaileshkumar Varu**

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**Section: 4**

### **3. Write commands to run the file:**

**- pytest integration\_test.py**

The screenshot shows the PyCharm IDE interface. The left sidebar displays a project structure with a 'integration' folder containing 'calculator.py' and 'integration\_test.py'. The main editor window shows the code for 'integration\_test.py'. The terminal window at the bottom shows the command 'pytest integration\_test.py' being run, followed by the test session output.

```
PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914> cd integration
PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914\integration> pytest integration_test.py
=====
platform win32 -- Python 3.11.5, pytest-7.4.2, pluggy-1.3.0
rootdir: C:\Users\varus\PycharmProjects\ShivaniVaru_8941914\integration
rootdir: C:\Users\varus\PycharmProjects\ShivaniVaru_8941914\integration
collected 6 items

integration_test.py::test_integration PASSED
integration_test.py::test_addition PASSED
integration_test.py::test_subtraction PASSED
integration_test.py::test_multiplication PASSED
integration_test.py::test_division PASSED
integration_test.py::test_divide_by_zero PASSED

[ 16%]
[ 33%]
[ 50%]
[ 66%]
[ 83%]
[100%]

PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914>
```

- python -m pytest -v

The screenshot shows the PyCharm IDE interface. The left sidebar displays a project structure for 'ShivaniVaru\_8941914' containing files like 'calculator.py', 'integration\_test.py', and 'README.md'. The main editor window shows the code for 'integration\_test.py'. The terminal window at the bottom has a command-line interface (CLI) showing the execution of the pytest command. The output indicates a successful test session with 6 passed items.

```
PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914> python -m pytest -v
=====
platform win32 -- Python 3.11.5, pytest-7.4.2, pluggy-1.3.0 -- C:\Users\varus\AppData\Local\Programs\Python\Python311\python.exe
cachedir: .pytest_cache
rootdir: C:\Users\varus\PycharmProjects\ShivaniVaru_8941914
collected 6 items

integration/integration_test.py::test_integration PASSED [ 16%]
integration/integration_test.py::test_addition PASSED [ 33%]
integration/integration_test.py::test_subtraction PASSED [ 50%]
integration/integration_test.py::test_multiplication PASSED [ 66%]
integration/integration_test.py::test_division PASSED [ 83%]
integration/integration_test.py::test_divide_by_zero PASSED [100%]

=====
6 passed in 0.05s =====
PS C:\Users\varus\PycharmProjects\ShivaniVaru_8941914>
```

At the bottom, the taskbar shows the weather (13°C, Mostly cloudy), system icons, and the current date and time (30:44, 12:20 AM, 2023-09-28).

Git hub repo: [https://github.com/shivi-1010/ShivaniVaru\\_8941914](https://github.com/shivi-1010/ShivaniVaru_8941914)