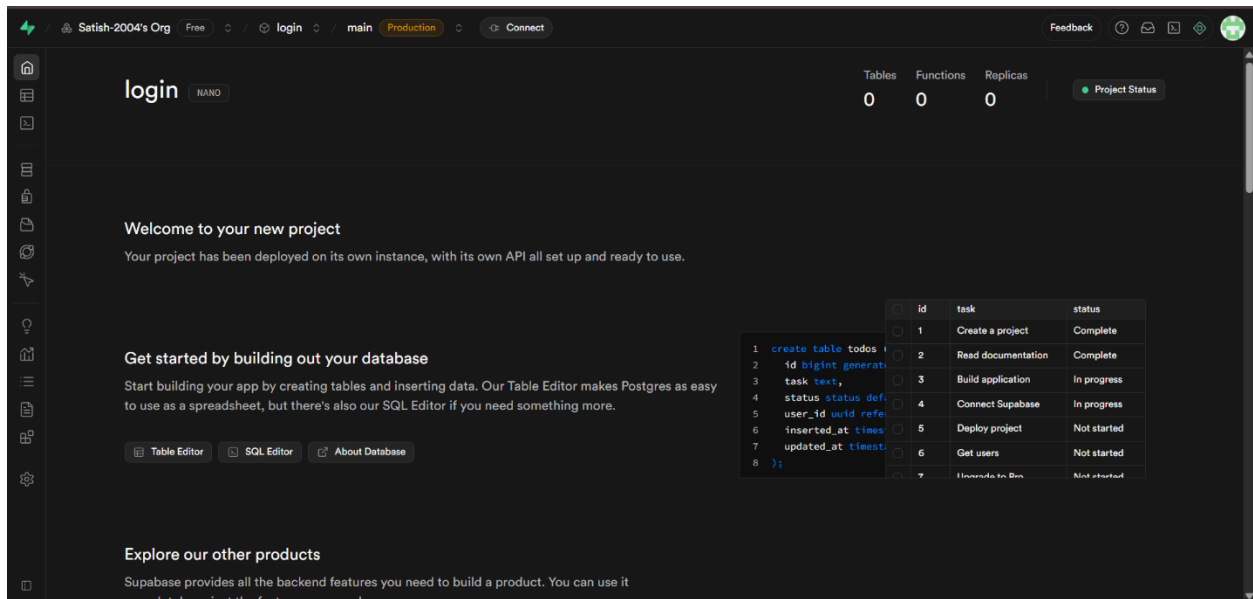


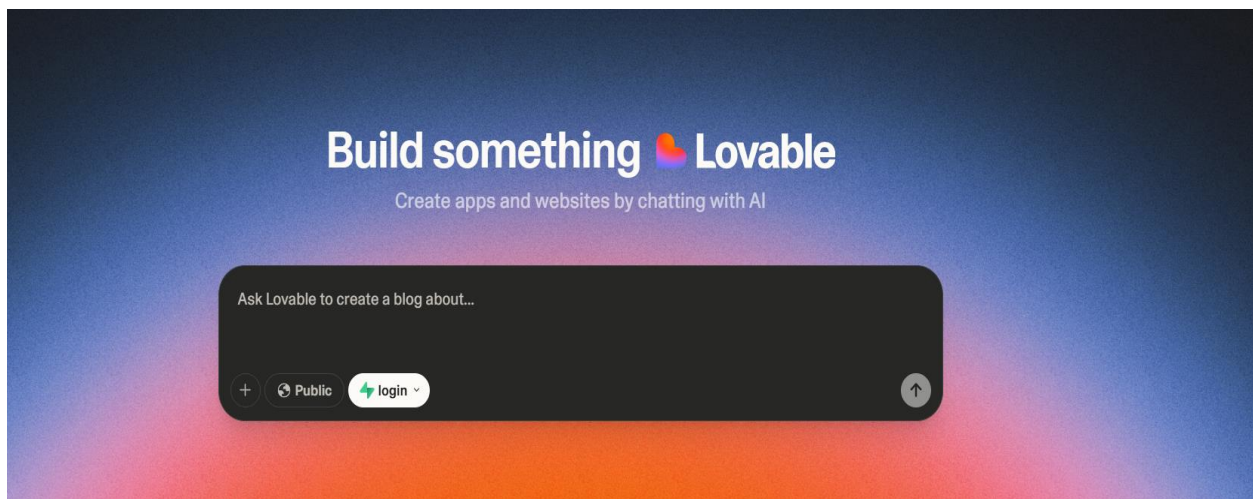
Assignment:3

Q) Build a complete HTML + JavaScript frontend for student registration and login using Supabase and lovable.

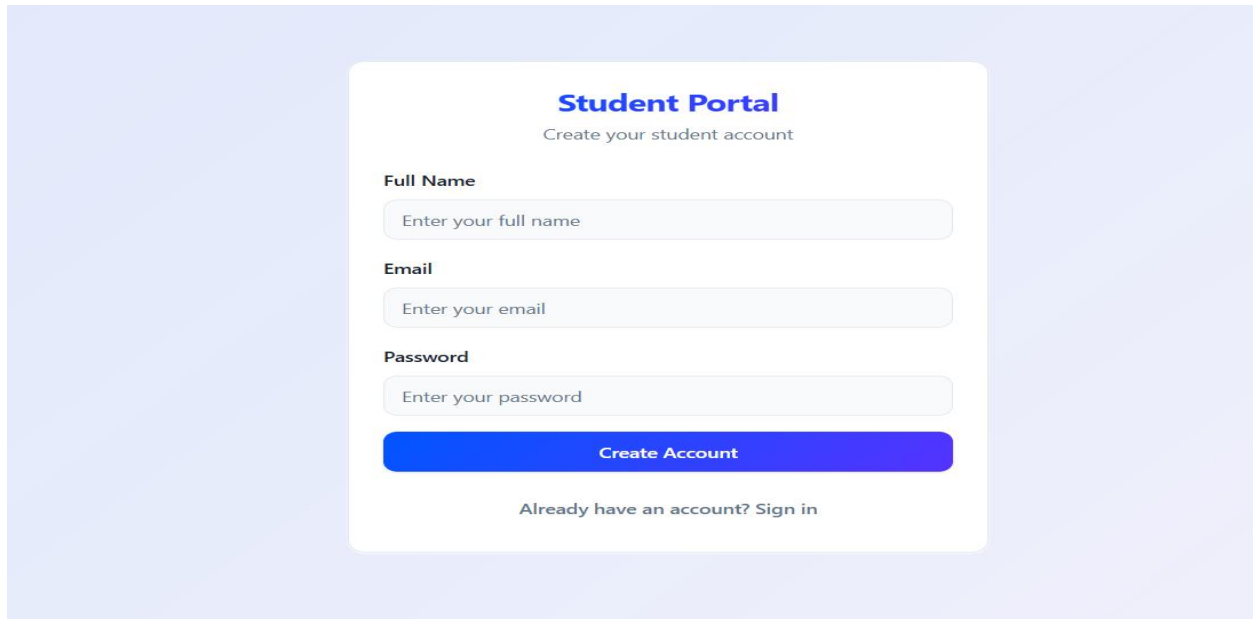
- Creating project in superbase



- Connecting superbase



- Sign up form



The sign up form is centered on a light blue background. It has a white background with rounded corners. At the top, it says "Student Portal" in bold blue text, followed by "Create your student account" in a smaller grey font. Below this are three input fields: "Full Name" with the placeholder "Enter your full name", "Email" with the placeholder "Enter your email", and "Password" with the placeholder "Enter your password". Each input field has a light grey border and rounded corners. Below the password field is a blue button with white text that says "Create Account". At the bottom, there is a link that says "Already have an account? Sign in" in a small grey font.

Student Portal
Create your student account

Full Name
Enter your full name

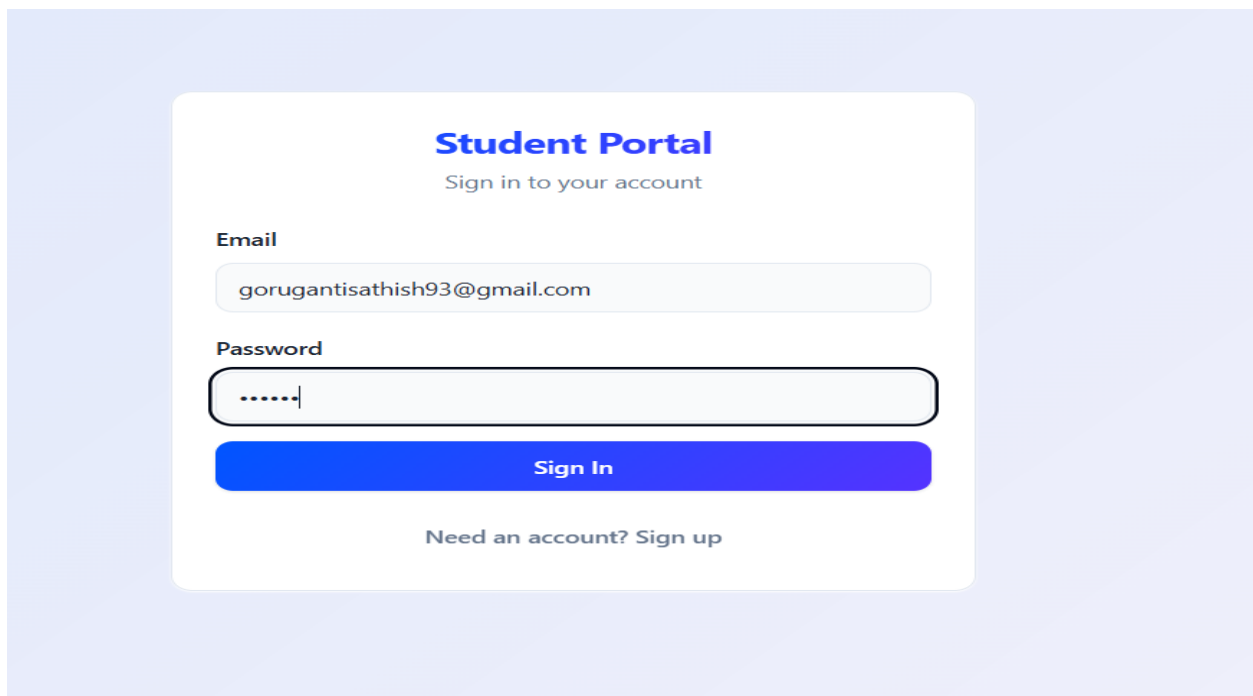
Email
Enter your email

Password
Enter your password

Create Account

Already have an account? Sign in

- Sign in form



The sign in form is centered on a light blue background. It has a white background with rounded corners. At the top, it says "Student Portal" in bold blue text, followed by "Sign in to your account" in a smaller grey font. Below this are two input fields: "Email" with the placeholder "gorugantisathish93@gmail.com" and "Password" with the placeholder ".....". Each input field has a light grey border and rounded corners. Below the password field is a blue button with white text that says "Sign In". At the bottom, there is a link that says "Need an account? Sign up" in a small grey font.

Student Portal
Sign in to your account

Email
gorugantisathish93@gmail.com

Password
.....

Sign In

Need an account? Sign up

- Dashboard

Student Portal

Logout

Welcome back, satish!
Here's your student portal dashboard

Student Information

Name:

satish

Email:

gorugantisathish93@gmail.com

Student ID:

349028f3...

Registered:

7/21/2025

Quick Actions

View Courses

Check Grades

View Schedule

Messages

* Features coming soon

0
Enrolled Courses

--
Current GPA

0
Credits Earned

- Users

Users

Search email, phone or UID

All users

Provider

All columns

Sorted by created at

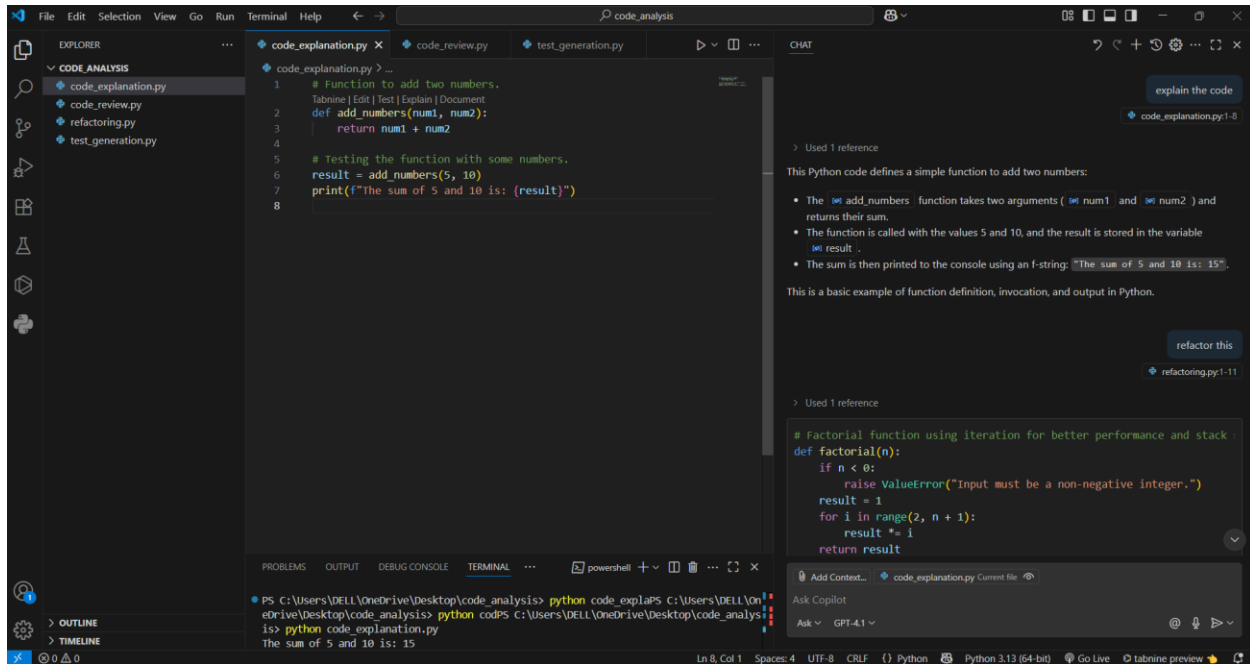
Refresh

Add user

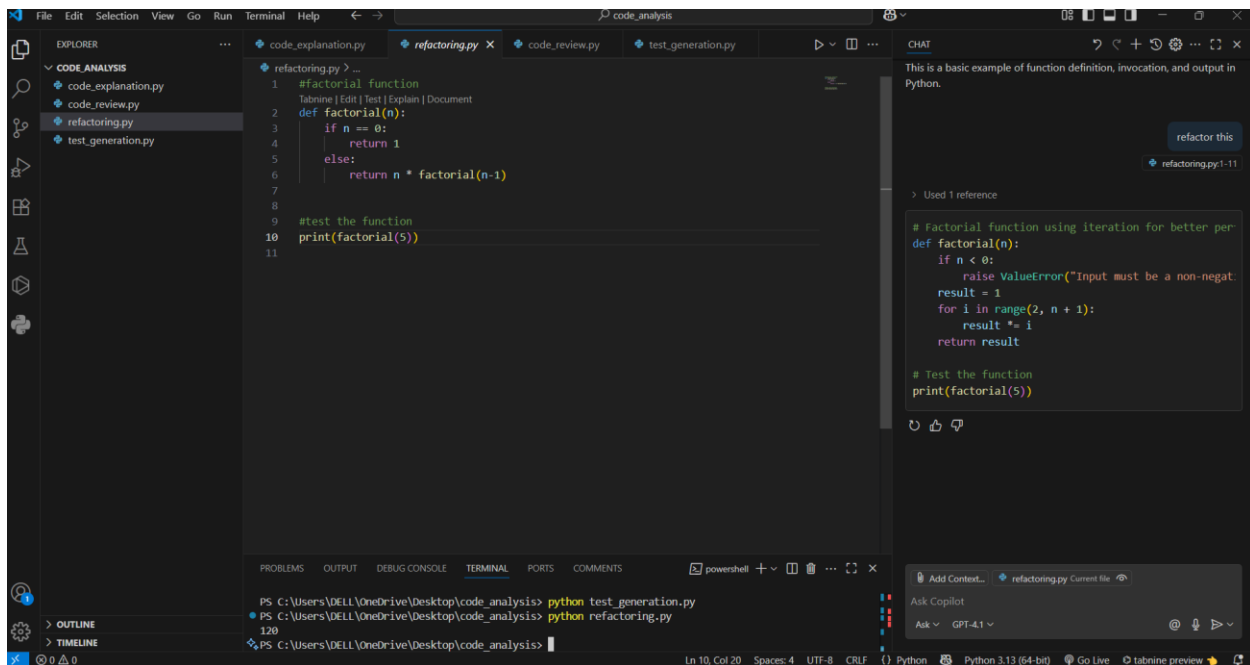
	UID	Display name	Email	Phone	Providers	Provider type
<input type="checkbox"/>	f4c476d5-ddd3-4169-bf87-5629d7498f89	-	fff@gmail.com	-	Email	-
<input type="checkbox"/>	349028f3-32dd-4b83-a453-5e1d5fb12eed	-	gorugantisathish93@gmail.com	-	Email	-

Q) Code Analysis & Refactoring

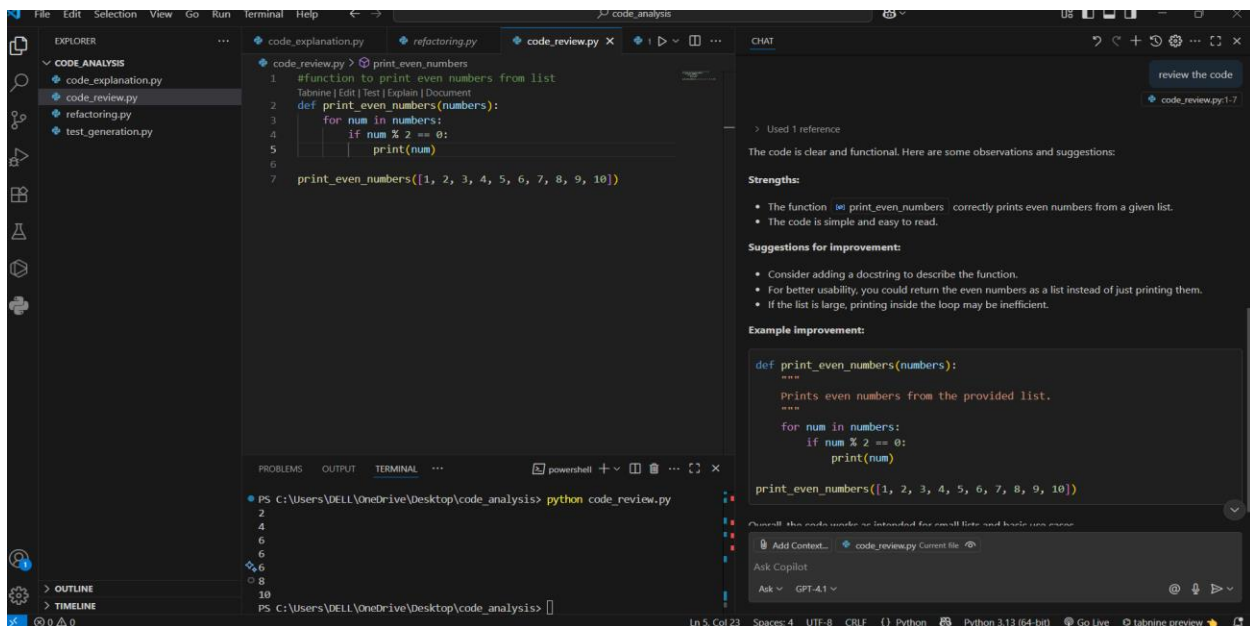
- Code explanation



- Automated refactoring

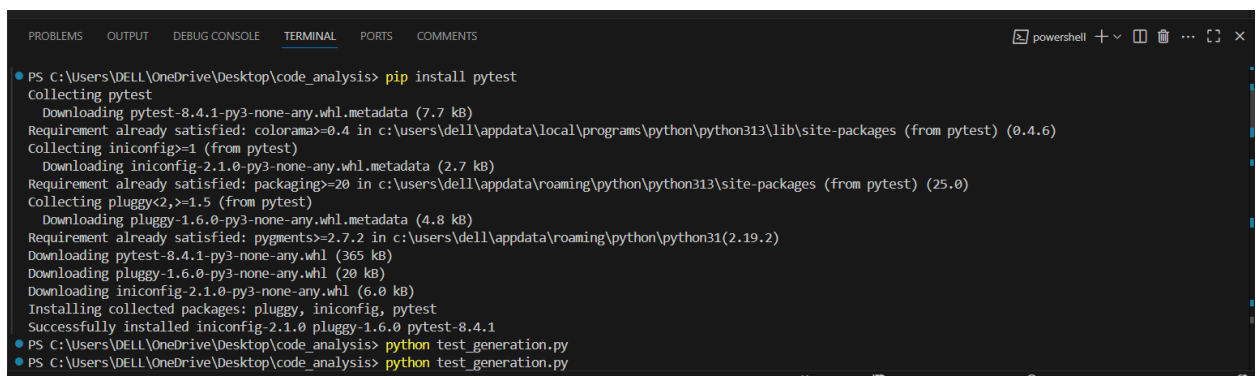


- Code review

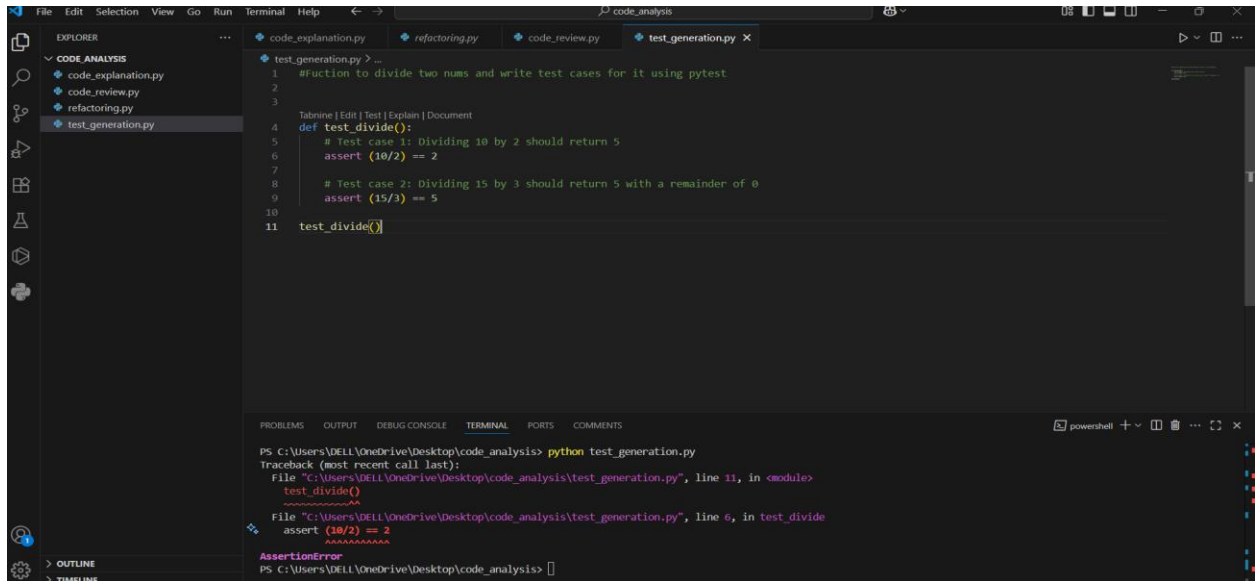


- Test generation

⇒ pip install pytest



⇒ checking test cases



The screenshot shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a folder named 'CODE ANALYSIS' containing four files: 'code_explanation.py', 'code_review.py', 'refactoring.py', and 'test_generation.py'. The 'test_generation.py' file is open in the main editor. The code in the file is as follows:

```
1 #function to divide two nums and write test cases for it using pytest
2
3
4 def test_divide():
5     # test case 1: Dividing 10 by 2 should return 5
6     assert (10/2) == 2
7
8     # Test case 2: Dividing 15 by 3 should return 5 with a remainder of 0
9     assert (15/3) == 5
10
11 test_divide()
```

Below the editor, the TERMINAL panel is open, showing the output of running the script. The command executed is 'python test_generation.py'. The output shows a traceback indicating an 'AssertionError' at line 6, where the assertion 'assert (10/2) == 2' failed. The terminal text is:

```
PS C:\Users\DELL\OneDrive\Desktop\code_analysis> python test_generation.py
Traceback (most recent call last):
  File "C:\Users\DELL\OneDrive\Desktop\code_analysis\test_generation.py", line 11, in <module>
    test_divide()
    ~~~~~^~~~~~
  File "C:\Users\DELL\OneDrive\Desktop\code_analysis\test_generation.py", line 6, in test_divide
    assert (10/2) == 2
           ~~~~~^~~~~
AssertionError
PS C:\Users\DELL\OneDrive\Desktop\code_analysis>
```