

Linux Command Line Training Screenshot

The screenshot shows the Duke University Gradebook interface. The top navigation bar includes the Duke University logo, a search icon, and a user profile icon. Below the navigation bar, there are tabs for Course Overview, Gradebook, Site Info, and Help. The Gradebook tab is active, displaying a grade report for Mohammad Zoraiz. The report shows a Course Grade of 100% [8/8]. Below this, there is a table with columns for Gradebook Item, Grade, Due Date, and Comments. The table lists items Q2.1 through Q4.3, all with a grade of 1/1 and a due date of -.

Gradebook Item	Grade	Due Date	Comments
Q2.1	1 / 1	-	
Q2.2	1 / 1	-	
Q3.1	1 / 1	-	
Q3.2	1 / 1	-	
Q3.3	1 / 1	-	
Q4.1	1 / 1	-	
Q4.2	1 / 1	-	
Q4.3	1 / 1	-	

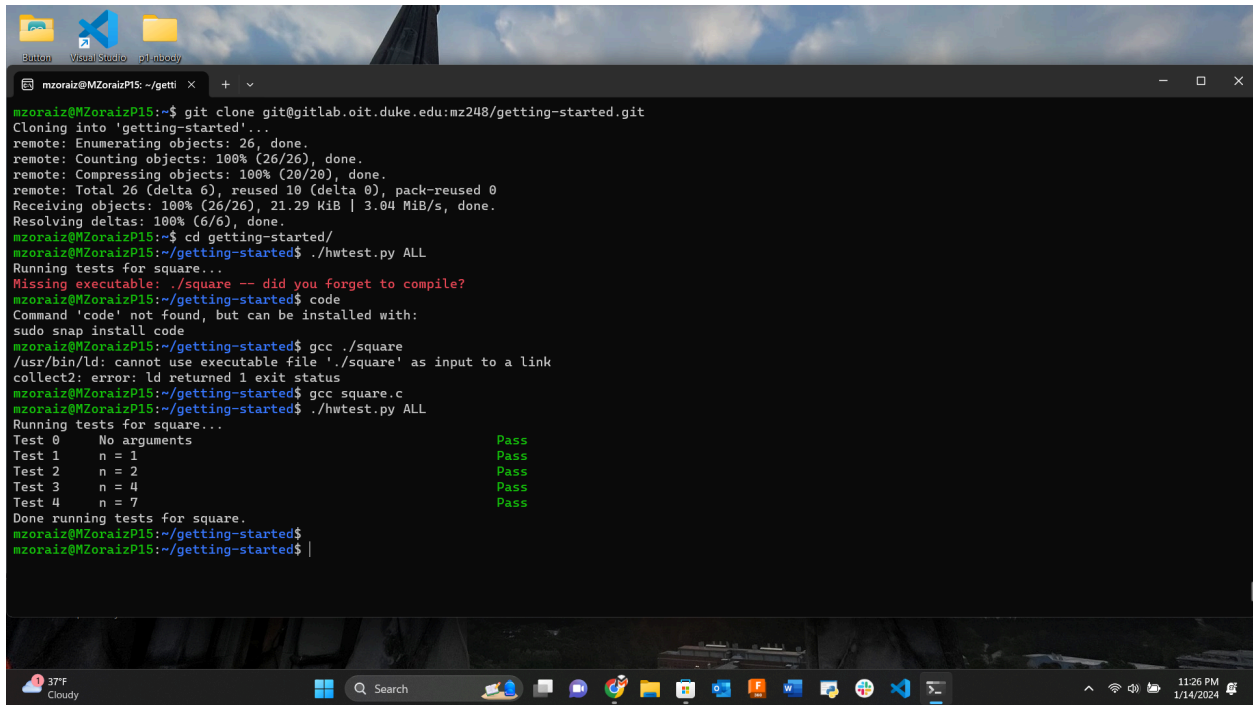
Proof of Testing in Docker Enviornment

The screenshot shows a Docker environment with a terminal window. The terminal output displays the results of running tests for a square function, showing all tests passing. It also shows the execution of git commands to add, commit, and push changes to a repository. The terminal window is titled 'Terminal - ubuntu@cs250-az-01: ~/Desktop/getting-started'.

```
ubuntu@cs250-az-01:~/Desktop/getting-started$ ./hwtest.py ALL
Running tests for square...
Test 0    No arguments                Pass
Test 1    n = 1                             Pass
Test 2    n = 2                             Pass
Test 3    n = 4                             Pass
Test 4    n = 7                             Pass
Done running tests for square.

ubuntu@cs250-az-01:~/Desktop/getting-started$ git add .
ubuntu@cs250-az-01:~/Desktop/getting-started$ git commit -m "Fix square"
[master 8581196] Fix square
 2 files changed, 29 insertions(+), 1 deletion(-)
 create mode 100644 vscode/tasks.json
ubuntu@cs250-az-01:~/Desktop/getting-started$ git push
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 669 bytes | 669.00 KiB/s, done.
Total 5 (delta 2), reused 0 (delta 0)
To gitlab.oit.duke.edu:mz248/getting-started.git
 de5fc92..8581196 master -> master
ubuntu@cs250-az-01:~/Desktop/getting-started$
```

Proof of Testing in Local Enviornment



```
mzoraiz@mZoraizP15: ~/getti
mzoraiz@mZoraizP15:~$ git clone git@gitlab.oit.duke.edu:mz248/getting-started.git
Cloning into 'getting-started'...
remote: Enumerating objects: 26, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (20/20), done.
remote: Total 26 (delta 6), reused 10 (delta 0), pack-reused 0
Receiving objects: 100% (26/26), 21.29 KiB | 3.04 MiB/s, done.
Resolving deltas: 100% (6/6), done.
mzoraiz@mZoraizP15:~/getting-started$ ./hwtest.py ALL
Running tests for square...
Missing executable: ./square -- did you forget to compile?
mzoraiz@mZoraizP15:~/getting-started$ code
Command 'code' not found, but can be installed with:
sudo snap install code
mzoraiz@mZoraizP15:~/getting-started$ gcc ./square
/usr/bin/ld: cannot use executable file './square' as input to a link
collect2: error: ld returned 1 exit status
mzoraiz@mZoraizP15:~/getting-started$ gcc square.c
mzoraiz@mZoraizP15:~/getting-started$ ./hwtest.py ALL
Running tests for square...
Test 0      No arguments          Pass
Test 1      n = 1                 Pass
Test 2      n = 2                 Pass
Test 3      n = 4                 Pass
Test 4      n = 7                 Pass
Done running tests for square.
mzoraiz@mZoraizP15:~/getting-started$
mzoraiz@mZoraizP15:~/getting-started$ |
```