

Introduction to testing day 2 Challenge Report

Report

Task:

And how each is achieved:

- create 5 test cases about a program with no initial contact, equipped with a basic description
 - Read through provided information and created test cases
- To provide running notes
 - Recorded the exercise to provide full visual, gave a running commentary, and wrote notes live
 - Ran the test cases as advised by coaches using terminal (iterm - mac os - python 10.11.1)
- Summarise findings
 - please see summary below
- All to be submitted upon completion

Program expected Specification:

Wraps given text to a given character limit and inserts new line markers - followed by "--END OF FILE--"

- Name - wrap_it
- Argument - string - english text AND Int - character length of line

Run from terminal as such:

```
$ python3 wrap_it.py 26 "a quick brown fox jumps over the lazy dog"
```

Summary of test cases and notes

1. example output with expected inputs - all working fine.
2. Small CHAR input broke the running of the program, with no catch or return output clause for this.

3. Input that is within CHAR range but with no space to break the text - broke program, with no catch or return output clause for this.
4. Standard input with CHAR (new line break) limit exactly in the centre - all working fine.
5. Invalid entry in the form of an INT rather than a STRING - unexpected result, but did not break the program.
 1. Same entry as a string - all working fine

Further Details regarding test case 5

- It was interesting that other tests (2, 3) lead to the program breaking due to an abnormal input
- 5 did not do this despite being and INT rather than a STRING
- The STRING version of this still functioned fine - so the length and other parameters are unlikely to be the reason
- Despite there being no 'catch' or 'response' when giving an incorrect input (as found so far) the program executed fine with the parameters given in 5
- Would recommend further tests to explore this and give other 'incorrect' inputs as well as explore why the given one in test 5 was 'ok' to run.

Of course would recommend if it is within the scope of the project, that the code be reviewed based on potential errors/bugs found.