WEEK 7 - LOGBOOK

- git pull the group repository.
- Engagement score: 6/6.
- The group leader created a week 7 file in the group repository.
- Pulled the repository.
- Opened week 7 files in anaconda Jupyter notebook.
- As a part of step 4 : we run all the test files.
- ——————————————————————————————————————-
- #What equivalence classes did your group come up with?
- 1) All inputs need to be positive integers(no decimal , fractions).
- 2) Every four years a leap year will occur(2020,2024,2028 etc). Which means the inputs concerning leap years for February need to be adjusted compared to the other years.
- 3) For every odd month there are 31 days and every even month there are 30 (except feb that has 28 days , aug and dec has 31 days) therefore inputs need to abide by these rules.

- what extra test dates your team created:

These were the tests we created, we expected test 12 and 14 to be false, but the output was true.

```
Valid Date test:  11
input: ( 24 , 9 , 2002 )
code output:  True
What was the expected output?

Valid Date test:  12
input: ( 31 , 4 , 1998 )
code output:  True
What was the expected output?

Valid Date test:  13
input: ( 21 , 12 , 1999 )
code output:  True
What was the expected output?

Valid Date test:  14
input: ( -34 , 3 , 2009 )
code output:  True
What was the expected output?
```

```
                        # you can add more tests here befo
[ 24 , 9 , 2002 ],      # Test 11: this should be True
[ 31 , 4 , 1998 ],      # Test 12: this should be False
[ 21, 12, 1999 ],       # Test 13: this should be True
[ -34 , 3 , 2009 ],     # Test 14: this should be False
```

These were our expected test outputs.

What equivalence classes did your group come up with?

- were there any tests which were from the same "equivalence partition"?
- how many tests were passing?: 7 passed

- how many tests were failing? Why do you think they were failing (give a short worded description)
7 failed. Our group discussed reasons to why some tests failed:

- There were no equivalence classes for the original test, that's why expected output were not consistently aligned with actual output.
- The tests only checked if the input (day, month and year) was an integer, and did not take into consideration the other equivalence classes.
- month>=1 and month <=12.