UDACITY

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Implement a Matrix Class

REVIEW

CODE REVIEW 4

HISTORY

Meets Specifications

Please give me a review.

Congratulations Sho Nakamura on passing the project by meeting all specifications very well! 🎉🎉

Nice job in completing each of the matrix operation very nicely. The submission reflects that you understand each of the matrix operation functionality. All the required overloading behaviors have been correctly coded as well. 👏🏽

Wishing you good luck for future projects!!!

Reference links for learning purpose

- Matrix manipulation in Python
- Kalman Filter - Basics

Correctness

If your code passes the provided tests in test.py then your project will meet specification for this criteria.

Excellent work, all of your tests have passed. 🎉

```
Congratulations! All tests pass. Your Matrix class is working as
expected.
```

determinant() of matrix is calculated the right way and we get the correct output.

Well done, the determinant of matrix is calculated right way! ✅

trace() of matrix is calculated the right way and we get the correct output.

trace() function works as expected. ✅

inverse() of matrix is calculated the right way and we get the correct output.

You have handled different matrix cases well! 👌

T() (transpose) of matrix is calculated the right way and we get the correct output.

Well done!

Suggestion:

```
list(zip(*self.g)) can swap the rows and columns.
```

add() is calculated the right way and we get the correct output.

Excellent, add() function is coded nicely! ⭐

Tip

```
Matrix([[self[i][j] + other[i][j] for j in range(self.w)] for i in range(s
elf.h)])
```

neg() is calculated the right way and we get the correct output.

Awesome, neg() function works perfectly. 👏

sub() is calculated the right way and we get the correct output.

Nice job! sub() function is correct. 👏

mul() is calculated the right way and we get the correct output.

mul() is calculated the right way and we get the correct output. ✅

rmul() is calculated the right way and we get the correct output.

rmul() is calculated the right way and we get the correct output.✅

Code Quality

Code quality issues should NOT make a project non-passing. If the code works the project should pass. But readability is important so try to go through your code before submitting to make sure that a reviewer will be able to provide the most helpful feedback for you.

Overall the code quality is excellent and you have handled all the required cases! 👍🏽

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4 CODE REVIEW COMMENTS ›

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