INVERSE-OF-A-MATRIX

'Aim:

To write a python program to find the inverse of a matrix

'Equipment's required:

- 1. Hardware PCs
- 2. Anaconda Python 3.7 Installation / Moodle-Code Runner

'Algorithm:

'Step1: Import numpy package

'Step 2: Get the input matrix

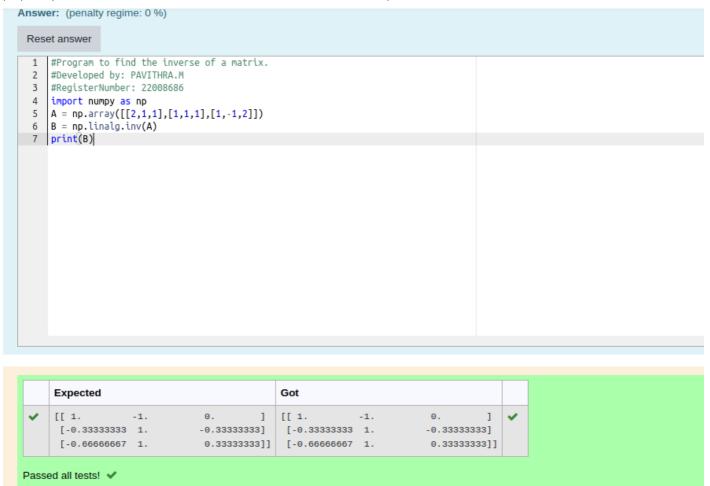
'Step 3: Find the inverse of the matrix

'Step 4: Print the result

[']Program:

```
#Program to find the inverse of a matrix.
#Developed by: PAVITHRA.M
#RegisterNumber: 22008686
import numpy as np
A = np.array([[2,1,1],[1,1,1],[1,-1,2]])
B = np.linalg.inv(A)
print(B)
```

'Output:



[']Result:

Thus the inverse of given matrix is successfully solved using python program