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:
Step 2:
Step 3:
Step 4:
```

Program:

```
#Program to find the inverse of a matrix.
#Developed by: Nara Guna Susmitha
#RegisterNumber:24010204
import numpy as np
matrix=np.array([[1,0,3],[-1,2,-2],[2,3,-1]])
inverse=np.linalg.inv(matrix)
print(inverse)
```

Output:

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```
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Result:

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