-SOLUTION-TO-A-SYSTEM-OF-LINEAR-EQUATIONS

Aim:

To write a python program to find a solution to a system of linear equations.

Equipment's required:

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

Algorithm:

Step 1:

Import the numpy module to use the built-in functions for calculation

Step 2:

Prepare the lists from each linear equations and assign in np.array()

Step 3:

Using the np.linalg.solve(), we can find the solutions.

Step 4:

End the program

Program:

Program to find the solution for the given linear equations.

Developed by: JOTHIKRISHNAA V

RegisterNumber:23010160(212223100017)

```
import numpy as np
A=np.array([[1,3],[2,5]])
B=[5,-3]
le=np.linalg.solve(A,B)
print(le)
```

Output:

```
#Program to find the solution for the given linear equations.
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```

	Expected	Got	
✔	[-34. 13.]	[-34. 13.]	✔

Passed all tests! ✔

Result:

Thus the solutions for the linear equations are successfully solved using python program