

# SciPy\_Assignment\_01\_Solution

July 3, 2020

## 1 Assignment 01: Solve a Linear Algebra Problem

*The comments/sections provided are your cues to perform the assignment. You don't need to limit yourself to the number of rows/cells provided. You can add additional rows in each section to add more lines of code.*

*If at any point in time you need help on solving this assignment, view our demo video to understand the different steps of the code.*

**Happy coding!**

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### 1: Import required libraries

```
[2]: import numpy as np
      from scipy import linalg
```

### 2: Formulate two linear equations based on the given scenario

```
[6]: #x+y=30
      #4x+9y=150
      testQuestionVariable = np.array([[1,1],[4,9]])
      testQuestionValue = np.array([30,150])
```

### 3: Apply a suitable method to solve the linear equation

```
[5]: linalg.solve(testQuestionVariable,testQuestionValue)
```

```
[5]: array([24.,  6.])
```

```
[ ]:
```