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!

1: Import required libraries

In [2]:

```
#import libraries
import numpy as np
from scipy import linalg
```

2: Formulate two linear equations based on the given scenario

In [4]:

```
#let x is the number of true/false questions
#let y is the number of multiple choice qustions
#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

In [5]:

```
linalg.solve(testquestionvariable,testquestionvalue)
```

Out[5]:

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

In [7]:

```
print("the value of x both true or false is:24",'\n','{}',"the value of y both multiple choice questions is: 6")
```

```
the value of x both true or false is:24
 {} the value of y both multiple choice questions is: 6
```

In [8]:

```
print("Successfully completed the Project on LinerAlgebra problem using Scipy")
```

```
Successfully completed the Project on LinerAlgebra problem using Scipy
```

In [9]:

```
print("Thank You Simplilearn")
```

```
Thank You Simplilearn
```

In [ ]: