In [2]:

**import** pandas **as** pd df**=**pd.DataFrame()

emp**=**pd.Series(['ashwin','hari','jai','nagarjun'])

id**=**pd.Series(['15','17','29','58'])

age**=**pd.Series(['22','21','24','27'])

exp**=**pd.Series(['2','2','3','5'])

a**=**{'emp':emp,'id':id,'age':age,'exp':exp} b**=**pd.DataFrame(a)

print(b)

emp id age exp

0 ashwin 15 22 2

1 hari 17 21 2

2 jai 29 24 3

3 nagarjun 58 27 5

In [11]:

**import** pandas **as** pd

**import** numpy **as** np

a**=**np.array([[1,1],[1,**-**1]]) b**=**np.array([1,2])

print(a) print(b)

|  |  |
| --- | --- |
| [[ | 1 1] |
| [ | 1 -1]] |
| [1 | 2] |

In [12]:

c**=**np.linalg.solve(a,b) print(c)

[ 1.5 -0.5]

In [15]:

**import** pandas **as** pd

**import** numpy **as** np

a**=**np.array([[1,8,1],[2,1,**-**1],[3,6,5]])

b**=**np.array([1,2,5]) print(a)

print(b)

|  |  |  |  |
| --- | --- | --- | --- |
| [[ | 1 | 8 | 1] |
| [ | 2 | 1 | -1] |
| [ | 3 | 6 | 5]] |
| [1 | 2 | 5] |  |

In [16]:

c**=**np.linalg.solve(a,b) print(c)

[ 1.21428571 -0.07142857 0.35714286]

In [ ]: