**EIGEN VALUE**

import numpy as np

def create\_matrix(mc):

    print("\nARRAY"+str(mc)+"Elements:")

    array=map(int,input().split())

    array=np.array(list(array))

    print("\n ARRAY"+str(mc)+"ROW COLUMN:")

    row,column=map(int,input().split())

    if(len(array)!=(row\*column)):

        print("\n Row and column size not match with total elements!!retry")

        return create\_matrix(mc)

    array=array.reshape(row,column)

    print("\n ARRAY"+str(mc))

    print(array)

    return array

x,y=np.linalg.eig(create\_matrix(1))

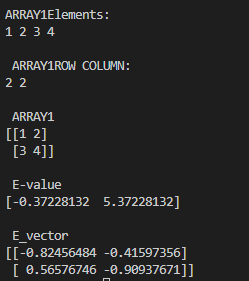
print("\n E-value")

print(x)

print("\n E\_vector")

print(y)

**OUTPUT**

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