RANK-OF-A-MATRIX

Aim:

To write a python program to find the rank of a matrix

Equipment's required:

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

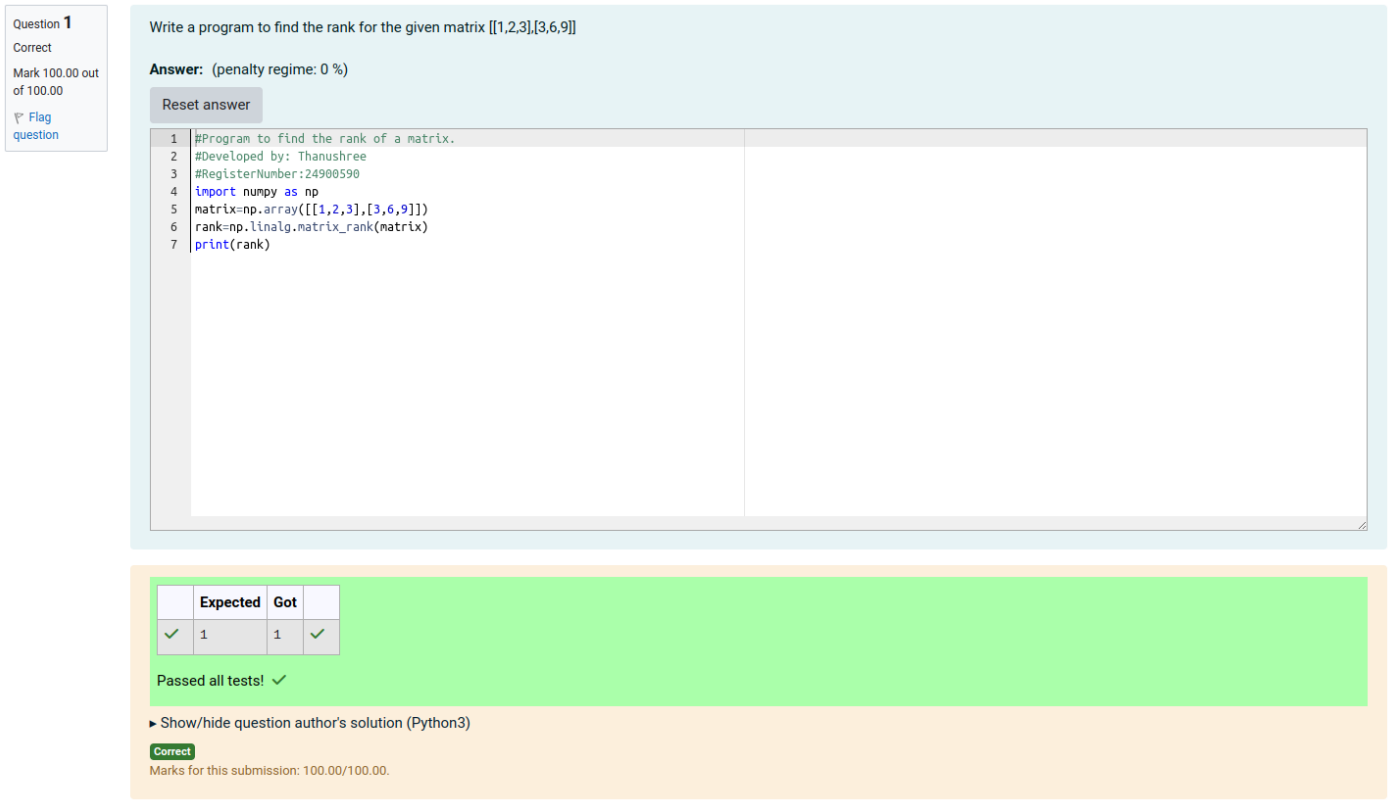
Algorithm:

Step 1: Import the numpy module to use the built-in functions for calculation
Step 2: Prepare the lists from the given matrix and assign in np.array()
Step 3: Using the np.linalg.matrix_rank(), we can find the rank of the given matrix.
Step 4: End the program

Program:

''' #Program to find the rank of a matrix. #Developed by: Thanushree #RegisterNumber:24900590 import numpy as np matrix=np.array([[1,2,3],[3,6,9]]) rank=np.linalg.matrix_rank(matrix) print(rank) '''

Output:



Result:

Thus the rank for the given matrix is successfully solved by using a python program.