

```

import numpy as np
n=np.random.randint(100,size=(2,2))
print(n)

print("determinant")
print(np.linalg.det(n))

print("inverse")
print(np.linalg.inv(n))

print("matrix Rank")
print(np.linalg.matrix_rank(n))

print("Transpose as 1-dimensional array:")
print(n.T.flatten())

```

output

git/OneDrive/Desktop/python programming/ramdom.py"

[[29 0]

[53 6]]

determinant

174.0

inverse

[[3.44827586e-02 -2.09476042e-18]

[-3.04597701e-01 1.66666667e-01]]

matrix Rank

2

Transpose as 1-dimensional array:

[29 53 0 6]