Program 17

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1 PROGRAM 17

Aim : Write a Pandas program to create and display a one-dimensional array like object containing an array of data

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```python
[13]: import numpy as np
      m=np.array([[2,3,1],[1,2,3],[5,1,2]])
      print(m)
      print("Transpose :",np.transpose(m))
      print("Determinant :",np.linalg.det(m))
      print("Inverse :",np.linalg.inv(m))
```

```
[[2 3 1]
 [1 2 3]
 [5 1 2]]
Transpose : [[2 1 5]
 [3 2 1]
 [1 3 2]]
Determinant : 32.0
Inverse : [[ 0.03125 -0.15625  0.21875]
 [ 0.40625 -0.03125 -0.15625]
 [-0.28125  0.40625  0.03125]]
```

```python
[ ]:
```