MATHS ASSIGNMENT SET2 QUESTION5

AIM:

- PRINT DETERMINANT OF A MATRIX

PROGRAM :

```python
import numpy as np

# Define a matrix as a numpy array
matrix = np.array([[1, 2], [3, 4]])

# Calculate the determinant of the matrix
determinant = np.linalg.det(matrix)

# Print the determinant
print("Matrix:")
print(matrix)

print("Determinant:")
print(determinant)
```

OUTPUT:

```
Matrix:
[[1 2]
 [3 4]]

Determinant:
-2.0000000000000004
```

RESULT:

THE PROGRAM HAS RUN AND OUTPUT OBTAINED SUCCESFULLY