```
 1 import numpy as np
 2 print("-------------Addition-----------------------")
 3 x = np.array([[1,2],[3,4]])
 4 y = np.array([[11,12],[13,14]])
 5 print(x + y)  #--- addition
 6
 7 print("-------------Subtraction
   ------------------------")
 8 x = np.array([[1,2],[3,4]])
 9 y = np.array([[11,12],[13,14]])
10 print(x - y)   # ----subtraction
11
12 print("-------------Multiplication
   ------------------------")
13
14 x = np.array([[1,2],[3,4]])
15 y = np.array([[11,12],[13,14]])
16 print(x * y)
17
18 print("-------------Division-----------------------")
19 x = np.array([[1,2],[3,4]])
20 y = np.array([[11,12],[13,14]])
21 print(x / y)
22
23 print("-------------matrix multiplication
   ------------------------")
24 x = np.array([[1,2],[3,4]])
25 y = np.array([[11,12],[13,14]])
26 print(x @ y)
27
28 print("-------------floor Division
   ------------------------")
29 x = np.array([[1,2],[3,4]])
30 y = np.array([[11,12],[13,14]])
31 print(x // y)
32
33 print("-------------Exponential
   ------------------------")
34 x = np.array([[1,2],[3,4]])
35 y = np.array([[11,12],[13,14]])
36 print(x ** y)
```

```
37
38 print("-------------Modulo-----------------------")
39 x = np.array([[1,2],[3,4]])
40 y = np.array([[11,12],[13,14]])
41 print(x % y)
42
43
```