

```

import numpy as np
ar1=np.array([[1,2,3,4],[5,6,7,8],[9,10,11,12],[13,14,15,16]])
print(ar1)
print("display all elements excluding first row:")
print(ar1[1,:])
print("display all elements excluding last column:")
print(ar1[:,3])
print("display all elements 1st and 2nd column in 2nd and 3rd row:")
print(ar1[1:3,0:2])
print("display all elements 2st and 3rd column ")
print(ar1[:,1:3])
print("display elements 2nd and 3rd element of 1 row:")
print(ar1[1,1:3])

```

output

```

=====
C:\Users\mlm\PycharmProjects\BIBIN\venv\Scripts\python.exe
C:\Users\mlm\PycharmProjects\BIBIN\numpy_package.py
[[ 1  2  3  4]
 [ 5  6  7  8]
 [ 9 10 11 12]
[13 14 15 16]]
display all elements excluding first row:
[[ 5  6  7  8]
 [ 9 10 11 12]
[13 14 15 16]]
display all elements excluding last column:
[[ 1  2  3]
 [ 5  6  7]
 [ 9 10 11]
[13 14 15]]

```

display all elements 1st and 2nd column in 2nd and 3rd row:

```
[[ 5 6]
```

```
 [ 9 10]]
```

display all elements 2st and 3rd column

```
[[ 2 3]
```

```
 [ 6 7]
```

```
[10 11]
```

```
[14 15]]
```

display elements 2nd and 3rd element of 1 row:

```
[[2 3]]
```

Process finished with exit code 0