

How can I retrieve a specific row from a NumPy array?

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To retrieve a specific row from a NumPy array, you can use the indexing feature provided by NumPy. This can be done by specifying the row number within square brackets after the array name. For example, if you want to retrieve the third row from an array named "my_array", you would use the syntax "my_array[2]" as the index starts from 0. This will return the third row as a separate array, allowing you to access and manipulate its values as needed. This method is useful for extracting specific data or performing operations on a particular row in a NumPy array.

Get Specific Row from NumPy Array (With Examples)

You can use the following syntax to get a specific row from a NumPy array:

```
#get row in index position 2 from NumPy array  
my_array
```

The following examples shows how to use this syntax in practice.

Example 1: Get One Row from NumPy Array

The following code shows how to get one specific row from a NumPy array:

```
import numpy as np  
  
#create NumPy array  
data = np.array(, , )  
  
#view NumPy array
```

```
print(data)
```

```
array(
```

```
,
```

```
])
```

```
#get row in index position 2
```

```
data
```

```
array()
```

Notice that only the row in index position 2 of the NumPy array is returned.

Example 2: Get Multiple Rows from NumPy Array

The following code shows how to get multiple rows from a NumPy array:

```
import numpy as np
```

```
#create NumPy array
```

```
data = np.array(, , ])
```

```
#view NumPy array
```

```
data
```

```
array(  
,  
)
```

```
#get rows in index positions 0 and 2 from NumPy array  
data, :]
```

```
array(  
)
```

Example 3: Get Rows in Range from NumPy Array

The following code shows how to get rows in a range from a NumPy array:

```
import numpy as np  
  
#create NumPy array  
data = np.array(, , ])  
  
#view NumPy array  
data  
  
array(  
,  
)
```

**#get rows in index positions 0 through 1
data**

**array(
])**

Note that the last value in the range (in this case, 2) is not included in the range of rows that is returned.

The following tutorials explain how to perform other common operations in NumPy: