```
from sklearn.preprocessing import binarize
X = [[0.4, 0.6, 0.5], [0.6, 0.1, 0.2]]
binarize(X, threshold=0.5)
```

```
array([[0., 1., 0.],
       [1., 0., 0.]])
```

```
from sklearn.preprocessing import Binarizer
```

example 1.

```
X = [[ 1., -1.,  2.],
     [ 2.,  0.,  0.],
     [ 0.,  1., -1.]]
```

```
transformer = Binarizer().fit(X)  # fit does nothing.
transformer
```

```
Binarizer
Binarizer()
```

```
transformer.transform(X)
```

```
array([[1., 0., 1.],
       [1., 0., 0.],
       [0., 1., 0.]])
```

example 2.

```
import numpy as np
from sklearn.preprocessing import Binarizer

data = np.array([[3, -1.5, 2, -5.4],
                 [0, 4, -0.3, 2.1],
                 [1, 3.3, -1.9, -4.3]])

print("--------Origonal data.............")
print(data)
```

```
--------Origonal data.............
[[ 3.  -1.5  2.  -5.4]
 [ 0.   4.  -0.3  2.1]
 [ 1.   3.3 -1.9 -4.3]]
```

```
data_binarized = Binarizer(threshold=1.4).transform(data)
print("...After Binarizer..... ")
print(data_binarized)
```

```
...After Binarizer......
[[1. 0. 1. 0.]
 [0. 1. 0. 1.]
 [0. 1. 0. 0.]]
```