

Lab Quiz

Suppose the matrix X represents the area of your house.

X = [[2,3,4],
[3,4,6],
[2,1,4]]

You need to create a fence around your house to keep your family protected from intruders. Hence, you need to create a new multidimensional array with a padding specified by the user. The number for the padding will be **8**. The width of the padding depends on the user. If the user inputs **1** as the padding, the resultant array would be:

```
[  
[ 8, 8, 8, 8, 8 ],  
[ 8, 2, 3, 4, 8 ],  
[ 8, 3, 4, 6, 8 ],  
[ 8, 2, 1, 4, 8 ],  
[ 8, 8, 8, 8, 8 ]  
]
```

if the user inputs **2** as the padding the resultant array would be:

```
[  
[ 8, 8, 8, 8, 8, 8, 8 ],  
[ 8, 8, 8, 8, 8, 8, 8 ],  
[ 8, 8, 2, 3, 4, 8, 8 ],  
[ 8, 8, 3, 4, 6, 8, 8 ],  
[ 8, 8, 2, 1, 4, 8, 8 ],  
[ 8, 8, 8, 8, 8, 8, 8 ],  
[ 8, 8, 8, 8, 8, 8, 8 ]  
]
```