

Is the following operation allowed with numpy arrays

```
a=np.array([1,1,1,1,1])  
a+10
```

- ☐ no, the two elements must be of equal size
- ☒ yes, this is an example of broadcasting

```
X=np.array( [[1,0,1],[2,2,2]])  
out=X[0,1:3]  
out
```

- ☐ array([1, 0, 1])
- ☐ array([2, 2])
- ☒ array([0, 1])

how do you perform matrix multiplication on the numpy arrays **A** and **B**

- ☐  $A+B$
- ☒ `np.dot(A,B)`
- ☐  $A*B$

what is the result of the following lines of code:

```
a=np.array([1,1,1,1,1])  
a+10
```

- ☒ array([11, 11, 11, 11, 11])
- ☐ array([10,10,10,10,10])
- ☐ array([1,1,1,1,1])

```
a=np.array([0,1])  
b=np.array([1,0])  
np.dot(a,b)
```



0



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array([1,1])