

39984-ai-lab5

October 1, 2024

```
[5]: #task1
import numpy as np
arr=np.array([[2,5,6,7,8], [9,10,1,12,13]], dtype=float)
print(arr)
print(arr.astype(bool))
```

```
[[ 2.  5.  6.  7.  8.]
 [ 9. 10.  1. 12. 13.]]
[[ True  True  True  True  True]
 [ True  True  True  True  True]]
```

```
[3]: #task2
import numpy as np
arr=np.array([2,5,6,7,8])
arr[2]=55
print(arr)
```

```
[ 2  5 55  7  8]
```

```
[5]: #task3
import numpy as np
arr=np.arange(0,101,2)
print(arr)
```

```
[ 0  2  4  6  8 10 12 14 16 18 20 22 24 26 28 30 32 34
 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70
 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100]
```

```
[8]: #task4
import numpy as np
a=np.array([6,7,8,9])
b=np.array([6,7,8,9])
c=np.dot(a,b)
print(c)
```

```
[14]: #task5
import numpy as np
a=np.array([6,7,8,9])
user=int(input("enter number"))
if user in a:
    print("Its present")
else:
    print("Its not present")
```

enter number 5

Its not present

[]:

[]:

[]: