

IN1000 Gruppe 16

Uke 11

Oblig 8: Game of life

Vi går igjennom

- Generer metoden
- Finn nabo metoden
- TegnBrett metoden

Tabeller i python

1	2	3
4	5	6
7	8	9

Tabeller i python

```
[ [1, 2, 3], [4, 5, 6], [7, 8, 9] ]
```

1	2	3
4	5	6
7	8	9

Tabeller i python

```
[ [1, 2, 3],  
  [4, 5, 6],  
  [7, 8, 9] ]
```


1	2	3
4	5	6
7	8	9

Tabeller i python

```
tabell = [ [1, 2, 3],  
            [4, 5, 6],  
            [7, 8, 9] ]
```

Tabeller i python

 = tabell[0]

tabell
[ 1, 2, 3],
[4, 5, 6],
[7, 8, 9]]

Tabeller i python

rad = 0

 == tabell[rad]

tabell
[[1, 2, 3],
[4, 5, 6],
[7, 8, 9]]

Tabeller i python

rad = 1



== tabell[rad]

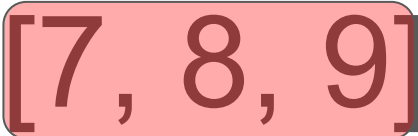
tabell
[[1, 2, 3],
[4, 5, 6],
[7, 8, 9]]

Tabeller i python

rad = 2

 == tabell[rad]

tabell

[[1, 2, 3],
[4, 5, 6],
 [7, 8, 9]]

Tabeller i python

tabell

```
0 [ [1, 2, 3],  
1 [4, 5, 6],  
2 [7, 8, 9] ]
```

Tabeller i python

tabell

kol = 2



== tabell[?][kol]

0	[	1,	2,	3],
1	[	4,	5,	6],
2	[	7,	8,	9]

Tabeller i python

rad = 0



== tabell[rad]

0

1

2

[

[1, 2, 3],

[4, 5, 6],

[7, 8, 9]]

kol = 2



== tabell[rad][kol]

tabell

Tabeller i python

rad = 0



== tabell[rad]

kol = 2



== tabell[rad][kol]

tabell

	0	1	2
0	1	2	3
1	4	5	6
2	7	8	9

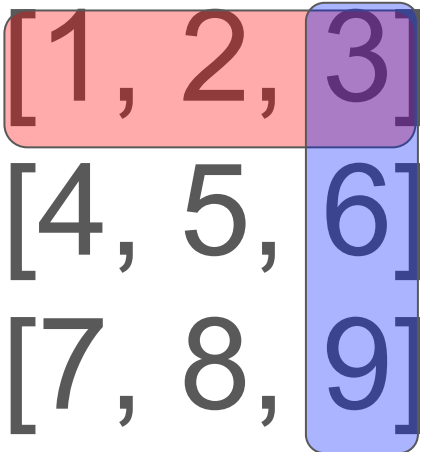
Tabeller i python

tabell

Kolonner:

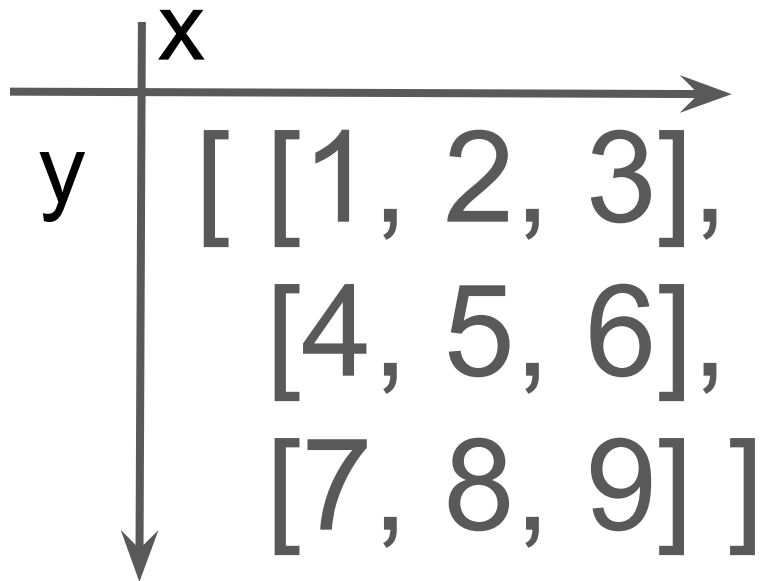
0 1 2

Rader: 0 [[1, 2, 3],
1 [4, 5, 6],
2 [7, 8, 9]]



Tabeller i python

tabell



A diagram illustrating a 2D array structure. A horizontal axis labeled 'x' and a vertical axis labeled 'y' intersect at the origin. The array is represented as a list of lists: `[[1, 2, 3], [4, 5, 6], [7, 8, 9]]`. The first list `[1, 2, 3]` is aligned with the first row of the array, `[4, 5, 6]` with the second row, and `[7, 8, 9]` with the third row. The 'x' axis points to the right, and the 'y' axis points downwards.

	x	
y		[[1, 2, 3], [4, 5, 6], [7, 8, 9]]

Tabeller i python

tabell

Kolonner:

0 1 2

Rader:

0

[1, 2, 3],

1

[4, 5, 6],

2

[7, 8, 9]]

Rad == y

Kolonne == x

Tabeller i python

tabell

Kolonner:

0 1 2

Rader:

0

[1, 2, 3],

1

[4, 5, 6],

2

[7, 8, 9]]

Rad == y

Kolonne == x



== tabell[y][x]

Tabeller i python

tabell

Kolonner:

0 1 2

Rader:

0

[1, 2, 3],

1

[4, 5, 6],

2

[7, 8, 9]]

Rad == y

Kolonne == x

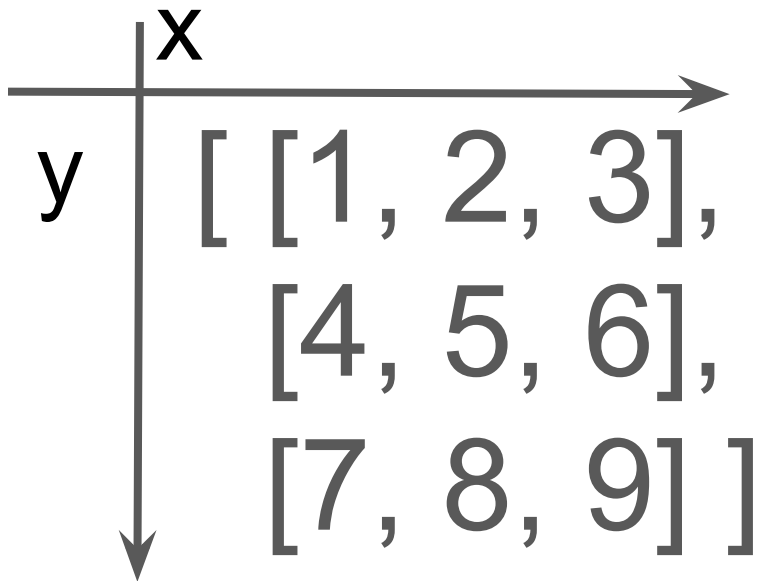


== tabell[y][x] == tabell[rad][kol]

Tabeller i python

tabell

tabell[x][y]



A diagram illustrating a 2D array structure. A horizontal axis labeled 'x' and a vertical axis labeled 'y' intersect at the top-left corner of the array. The array is represented as a list of three sub-lists: [[1, 2, 3], [4, 5, 6], [7, 8, 9]]. The 'x' axis points to the right, and the 'y' axis points downwards.

	x	
y	[	[1, 2, 3],
		[4, 5, 6],
		[7, 8, 9]]

Tabeller i python

~~tabell[x][y]~~

tabell[y][x]

tabell

	x	
y	[	[1, 2, 3],
		[4, 5, 6],
		[7, 8, 9]]

Tabeller i python

tabell

kol

~~tabell[x][y]~~

rad

[[1, 2, 3],

[4, 5, 6],

[7, 8, 9]]

tabell[y][x]

enklere:

tabell[rad][kol]