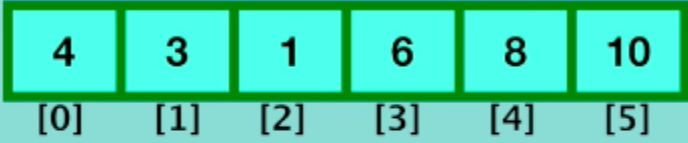


Intro to array

The size of an array cannot be changed



4	3	1	6	8	10
[0]	[1]	[2]	[3]	[4]	[5]

- Array can store data of specified type
- Elements of an array are located in a contiguous
- Each element of an array has a unique index
- The size of an array is predefined and cannot be modified

•

```
from array import *  
  
#how you would create an array  
array()
```

How to Define Arrays in Python

Once you've imported the `array module`, you can then go on to define a Python array.

The general syntax for creating an array looks like this:

```
variable_name = array(typecode,[elements])
```

•

TYPECODE	C TYPE	PYTHON TYPE	SIZE
'b'	signed char	int	1
'B'	unsigned char	int	1
'u'	wchar_t	Unicode character	2
'h'	signed short	int	2
'H'	unsigned short	int	2
'i'	signed int	int	2
'I'	unsigned int	int	2
'l'	signed long	int	4
'L'	unsigned long	int	4
'q'	signed long long	int	8
'Q'	unsigned long long	int	8
'f'	float	float	4
'd'	double	float	8

```
from array import *
```

```
int_array = array('i', [3, 4, 9, 45])
```

```
print(int_array)
```

intro ×

```
/Users/Harsha/Documents/code/venv/bin/python3.7  
array('i', [3, 4, 9, 45])
```

```
Process finished with exit code 0
```

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