

Converting Data Types

```
In [1]: num_int = 7  
  
type(num_int)
```

Out[1]: int

```
In [2]: num_str = '7'  
  
type(num_str)
```

Out[2]: str

```
In [5]: num_str_conv = int(num_str)  
  
type(num_str_conv)
```

Out[5]: int

```
In [7]: num_sum = num_int + num_str_conv  
  
print(num_sum)  
  
14
```

```
In [8]: list_type = [1,2,3]  
  
type(list_type)
```

Out[8]: list

```
In [10]: type(tuple(list_type))
```

Out[10]: tuple

```
In [11]: list_type = [1,2,3,3,2,1,2,3,2,1]  
  
set(list_type)
```

Out[11]: {1, 2, 3}

```
In [13]: dict_type = {'name': 'Akshay', 'age': 30, 'hair': 'N/A'}  
  
type(dict_type)
```

Out[13]: dict

```
In [14]: dict_type.items()
```

Out[14]: dict_items([('name', 'Akshay'), ('age', 30), ('hair', 'N/A')])

```
In [15]: dict_type.values()
```

```
Out[15]: dict_values(['Akshay', 30, 'N/A'])
```

```
In [16]: dict_type.keys()
```

```
Out[16]: dict_keys(['name', 'age', 'hair'])
```

```
In [17]: list(dict_type.keys())
```

```
Out[17]: ['name', 'age', 'hair']
```

```
In [18]: list(dict_type.values())
```

```
Out[18]: ['Akshay', 30, 'N/A']
```

```
In [19]: long_str = "I like to party"  
set(long_str)
```

```
Out[19]: {' ', 'I', 'a', 'e', 'i', 'k', 'l', 'o', 'p', 'r', 't', 'y'}
```

```
In [20]: long_str = "I like to party"  
list(long_str)
```

```
Out[20]: ['I', ' ', 'l', 'i', 'k', 'e', ' ', 't', 'o', ' ', 'p', 'a', 'r', 't', 'y']
```