

BUILT-IN FUNCTIONS

- Built-in Python functions are always available on command.
- As of Python 3.6, there are a total of 68 built-in functions.
- [Link to official Doc](#) ### **12 BUILT-IN FUNCTIONS**

```
max()
min()
sum()
round()
abs()
print()
pow()
sorted()
eval()
format()
any()
all()
```

In [36]:

```
import random as rd
rd.seed(10)

numbers = rd.sample(range(10, 100), k = 10)
numbers
```

Out[36]:

```
[83, 14, 64, 71, 11, 36, 69, 72, 45, 93]
```

In [48]:

```
max(numbers)
min(numbers)
sum(numbers)
round(9.12345, 4)
abs(10)
eval("4.5")
pow(4, 2)
10**2
```

Out[48]:

```
100
```

In [49]:

```
new_numbers = sorted(numbers)
new_numbers
```

Out[49]:

```
[11, 14, 36, 45, 64, 69, 71, 72, 83, 93]
```

In [50]:

```
numbers
```

Out[50]:

```
[83, 14, 64, 71, 11, 36, 69, 72, 45, 93]
```

In [51]:

```
[pow(x, 2) for x in new_numbers]
```

Out[51]:

```
[121, 196, 1296, 2025, 4096, 4761, 5041, 5184, 6889, 8649]
```

In [62]:

```
sum([i < 40 for i in new_numbers])
```

Out[62]:

```
3
```

In [63]:

```
data = ["10", 8.12345, 100, -30, -200]  
data
```

Out[63]:

```
['10', 8.12345, 100, -30, -200]
```

In [65]:

```
new_data = eval(data[0]) + int(data[1]) + data[2] + abs(data[3]) + abs(data[4])  
new_data  
data
```

Out[65]:

```
['10', 8.12345, 100, -30, -200]
```

In [80]:

```
"The top three values {0}, {1}, and {2}. My favourite number is {0}".format(*clean_data)
```

Out[80]:

```
'The top three values 200, 100, and 30. My favourite number is 200'
```

In [76]:

```
clean_data = sorted([abs(k) for k in [int(i) for i in data]])[2:][3::-1]  
clean_data
```

Out[76]:

```
[200, 100, 30]
```