

Common built in functions for tuple, list and string

1. len()

```
len("hello")
```

```
len([1, 2, 3])
```

```
len((4, 5, 6))
```

2. max()

```
max("hello")
```

```
max([1, 5, 2])
```

```
max((7, 3, 9))
```

3. min()

```
min("hello")
```

```
min([1, 5, 2])
```

```
min((7, 3, 9))
```

4. sum()

```
sum([1, 2, 3])
```

```
sum((4, 5, 6))
```

5. sorted()

```
sorted("hello")
```

```
sorted([3, 1, 2])
```

```
sorted((9, 5, 7))
```

6. any()

```
any("hello")
```

```
any([0, 0, 5])
```

```
any((0, 0, 0))
```

7. all()

```
all("hello")
```

```
all([1, 2, 0])
```

```
all((1, 2, 3))
```

8. enumerate()

```
list(enumerate("hi"))
```

```
list(enumerate([10, 20]))
```

```
list(enumerate((7, 8)))
```

```
9. reversed()
list(reversed("abc"))
list(reversed([1, 2, 3]))
list(reversed((4, 5, 6)))

10. zip()
list(zip("abc", [1, 2, 3], (10, 20, 30)))
```

Second large and small

```
ls = [5, 9, 6, 2, 10]
large = small = ls[0]
sec_large = sec_small = None

for i in range(1, len(ls)):
    if ls[i] > large:
        sec_large = large
        large = ls[i]
    else:
        if sec_large is None or ls[i] > sec_large:
            sec_large = ls[i]

    if ls[i] < small:
        sec_small = small
        small = ls[i]
    else:
        if sec_small is None or ls[i] < sec_small:
            sec_small = ls[i]

print("Second Largest:", sec_large)
print("Second Smallest:", sec_small)
```