

# Python Queues

# Python (FIFO) Queues

- queue module implements various queuing disciplines (FIFO, LIFO and priority queues), e.g.,

```
import queue
```

```
q = queue.Queue()
```

- creates a FIFO queue object. You can specify a maximum size with `queue.Queue(maxsize=10)`, for example. By default, queue insertion will block once you reach the maximum size.
- You can create a single server with `maxsize=1`.

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- queue module implements various queuing disciplines (FIFO, LIFO and priority queues), e.g.,

```
q.put(<object>, block=True, timeout=None)  
q.get(block=True, timeout=None)  
q.empty()  
q.full()  
q.qsize()
```

- Note that `get_nowait()` is the same as `get(block=False)`, i.e., If the queue is empty, it will generate a `queue.Empty` exception.