```
pip install simpy
```

```
    Collecting simpy
      Using cached simpy-4.0.1-py2.py3-none-any.whl (29 kB)
    Installing collected packages: simpy
    Successfully installed simpy-4.0.1
    Note: you may need to restart the kernel to use updated packages.

    [notice] A new release of pip available: 22.3 -> 22.3.1
    [notice] To update, run: python.exe -m pip install --upgrade pip
```

```python
import simpy

def waiter(env):
    while True: # Simulate until the time limit
        print(f"Start taking orders from customers at {env.now}")
        take_order_duration = 5
        yield env.timeout(take_order_duration) # models duration

        print(f'Start giving the orders to cooks at {env.now}')
        give_order_duration = 2
        yield env.timeout(give_order_duration)

        print(f'Start serving customers food at {env.now}\n')
        serve_order_duration = 5
        yield env.timeout(serve_order_duration)

env = simpy.Environment() # the environment where the waiter lives
env.process(waiter(env)) # pass the waiter to the environment
env.run(until=42) # Run simulation until 42s
```

```
    Start taking orders from customers at 0
    Start giving the orders to cooks at 5
    Start serving customers food at 7

    Start taking orders from customers at 12
    Start giving the orders to cooks at 17
    Start serving customers food at 19

    Start taking orders from customers at 24
    Start giving the orders to cooks at 29
    Start serving customers food at 31

    Start taking orders from customers at 36
    Start giving the orders to cooks at 41
```