```
pip install simpy
     Looking in indexes: <a href="https://pypi.org/simple">https://us-python.pkg.dev/colab-wheels/public/simple/</a>
     Collecting simpy
       Downloading simpy-4.0.1-py2.py3-none-any.whl (29 kB)
     Installing collected packages: simpy
     Successfully installed simpy-4.0.1
(1) WAP to show that callbacks can be added to the event as long as the event is not processed.
(2) With the help of a example show that events can be shared.
import simpy
# (1) WAP to show that callbacks can be added to the event as long as the event is not processed.
import simpy
def shop(env):
   while True:
       print("people to serve %d" % env.now)
        people_in_line = 9
        yield env.timeout(env.now + people_in_line)
env = simpy.rt.RealtimeEnvironment(initial_time = 5)
event = env.event()
env.process(shop(env))
env.run(until=30)
event.callbacks.append(shop)
event.callbacks
   people to serve 5
     people to serve 19
     [<function __main__.shop(env)>]
import simpy
\# (2) With the help of a example show that events can be shared.
m=2
class Hotel:
   def __init__(self, env):
        self.env = env
        self.class ends = env.event()
        self.guests_process = [env.process(self.guests()) for _ in range(m*2)]
       self.bell_process = env.process(self.bell())
    def bell(self):
        for _ in range(m):
            yield self.env.timeout(45)
        self.class_ends.succeed()
        self.class_ends = self.env.event()
        print()
    def guests(self):
        for _ in range(2):
            print("guest entering the hotel!")
            yield self.class_ends
env = simpy.Environment()
h1 = Hotel(env)
env.run()
     guest entering the hotel!
     guest entering the hotel!
```

• x