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AssignmentNo-05

Given below is the code for multiprocessing

```
from multiprocessing import Process, Array, Lock
from time import sleep
def addThousands(inputNumber, lock):
for in range (1000):
sleep(0.01)
                  with lock:
           for i in range(len(inputNumber)):
inputNumber[i] += 1
if name == ' main ': sharedArray =
Array('d', [0.0, 100.0, 200.0]) lock = Lock()
   print(f'Number at the beginning : {sharedArray[:]}')
   firstProcess = Process(target=addThousands, args=(sharedArray,
lock))
   secondProcess = Process(target=addThousands, args=(sharedArray,
lock))
   firstProcess.start()
secondProcess.start()
firstProcess.join()
secondProcess.join()
   print(f'Value in the end : {sharedArray[:]}')
Number at the beginning : [0.0, 100.0, 200.0]
Value in the end : [0.0, 100.0, 200.0]
```