Balram Mandal

Roll No-30

Assignment No-05

Given below is the code for multiprocessing

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| --- | --- | --- | --- | --- |
| 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] |  | |