processes = [(1, 3, 5), (2, 5, 3), (3, 1, 6), (4, 2, 5)]

processes.sort(key=lambda x: x[1])

completion\_time = []

turnaround\_time = []

waiting\_time = []

current\_time = 0

for pid, at, bt in processes:

if current\_time < at:

current\_time = at

ct = current\_time + bt

tat = ct - at

wt = tat - bt

completion\_time.append(ct)

turnaround\_time.append(tat)

waiting\_time.append(wt)

current\_time = ct

print("PID\tArrivalTime\t\tBurstTime\t\tTurnAroundTime\t\tCompletionTime\t\tWaitingTime")

for i in range(len(processes)):

pid, at, bt = processes[i]

print(pid, "\t", at, "\t\t", bt, "\t\t", turnaround\_time[i], "\t\t\t", completion\_time[i], "\t\t\t", waiting\_time[i])