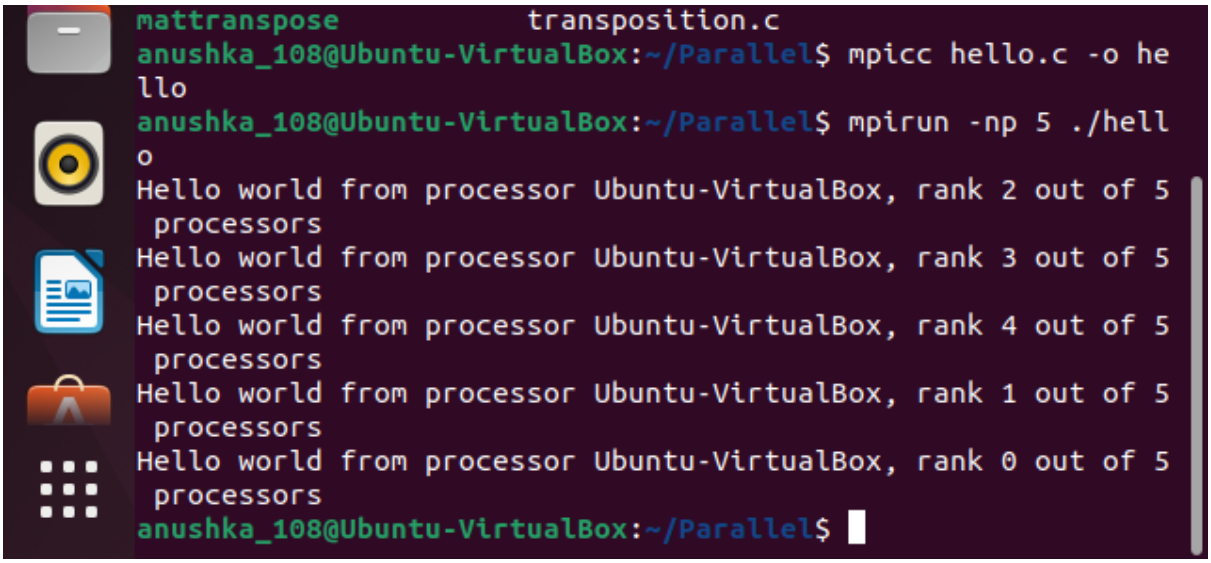
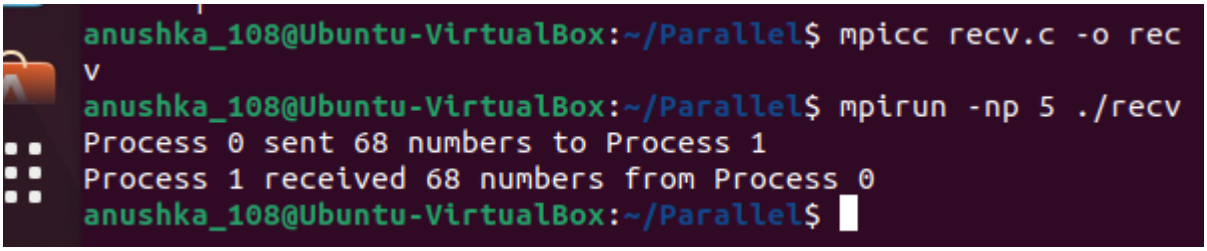
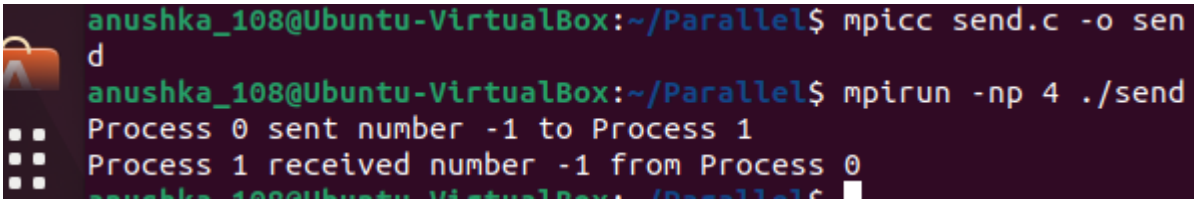
Assignment 1

1. MPI hello world

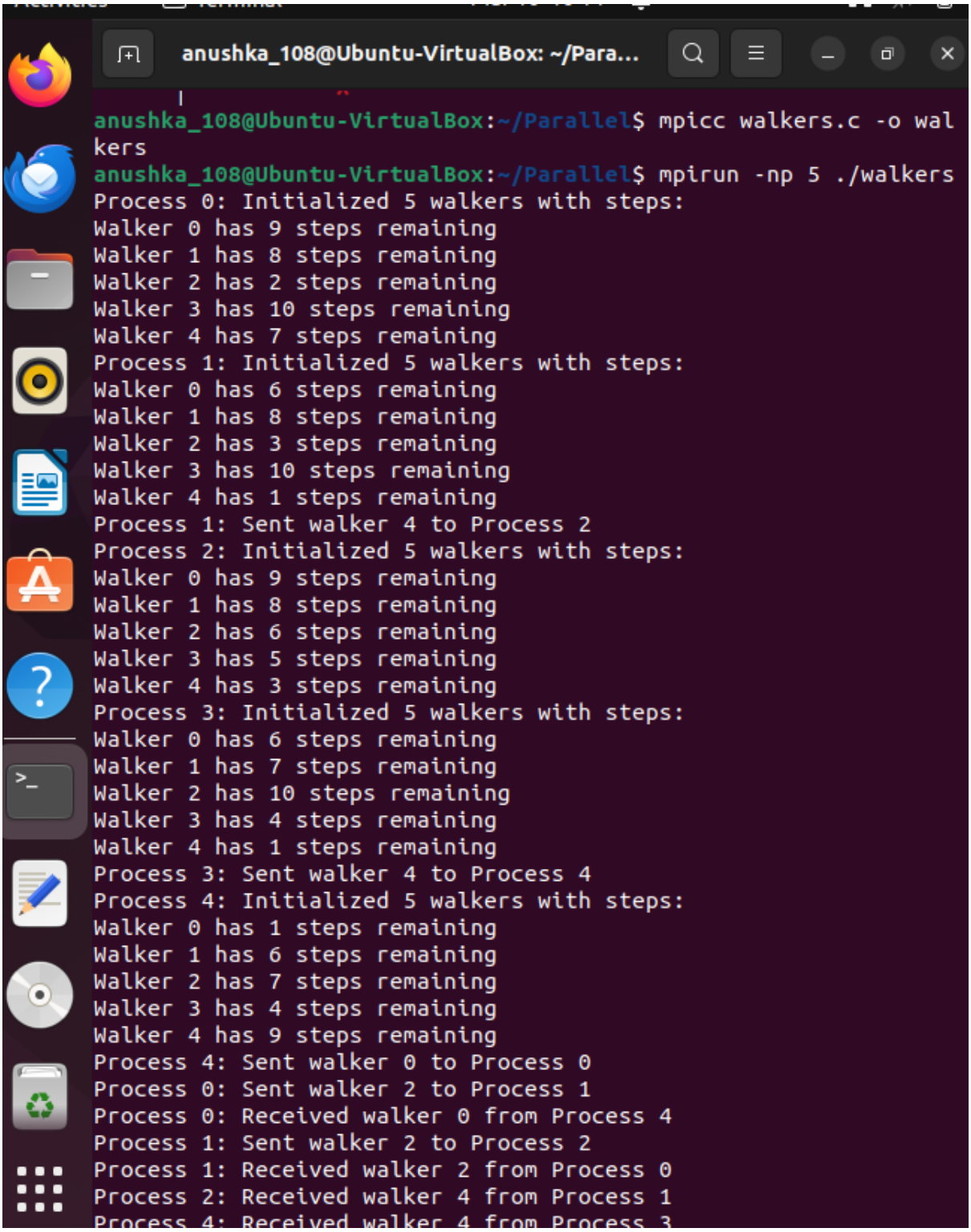


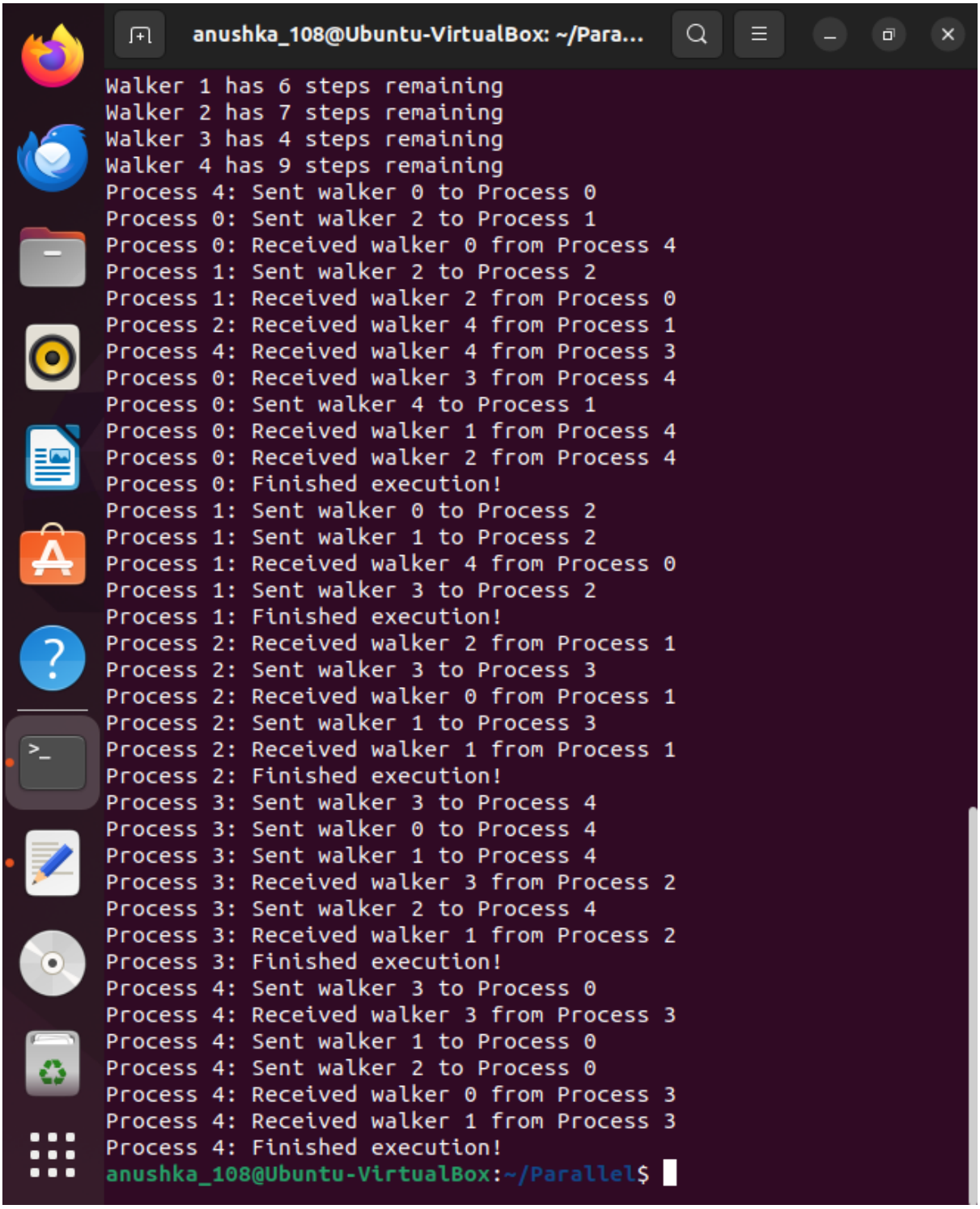
2. Sending and receiving with MPI_Send and MPI_Recv





3. Point-to-point communication application - Random walking




anushka_108@Ubuntu-VirtualBox: ~/Para...
Walker 1 has 6 steps remaining
Walker 2 has 7 steps remaining
Walker 3 has 4 steps remaining
Walker 4 has 9 steps remaining
Process 4: Sent walker 0 to Process 0
Process 0: Sent walker 2 to Process 1
Process 0: Received walker 0 from Process 4
Process 1: Sent walker 2 to Process 2
Process 1: Received walker 2 from Process 0
Process 2: Received walker 4 from Process 1
Process 4: Received walker 4 from Process 3
Process 0: Received walker 3 from Process 4
Process 0: Sent walker 4 to Process 1
Process 0: Received walker 1 from Process 4
Process 0: Received walker 2 from Process 4
Process 0: Finished execution!
Process 1: Sent walker 0 to Process 2
Process 1: Sent walker 1 to Process 2
Process 1: Received walker 4 from Process 0
Process 1: Sent walker 3 to Process 2
Process 1: Finished execution!
Process 2: Received walker 2 from Process 1
Process 2: Sent walker 3 to Process 3
Process 2: Received walker 0 from Process 1
Process 2: Sent walker 1 to Process 3
Process 2: Received walker 1 from Process 1
Process 2: Finished execution!
Process 3: Sent walker 3 to Process 4
Process 3: Sent walker 0 to Process 4
Process 3: Sent walker 1 to Process 4
Process 3: Received walker 3 from Process 2
Process 3: Sent walker 2 to Process 4
Process 3: Received walker 1 from Process 2
Process 3: Finished execution!
Process 4: Sent walker 3 to Process 0
Process 4: Received walker 3 from Process 3
Process 4: Sent walker 1 to Process 0
Process 4: Sent walker 2 to Process 0
Process 4: Received walker 0 from Process 3
Process 4: Received walker 1 from Process 3
Process 4: Finished execution!
anushka_108@Ubuntu-VirtualBox:~/Parallel$