**Input And Output File of 1-1Assignment**

**Test Case 1:-**

**A->I1,I2,I3**

**B->I1,I2**

**Output:-**

**A-I1 B-I2**

**A-I2 B-I1**

**A-I3 B-I1**

**A-I3,B-I2**

**Test Case 2:-**

**A->I1,I2**

**B->I1,I2**

**Output:-**

**A-I1 B-I2**

**A-I2 B-I1**

**A-I1**

**A-I2**

**Test Case 3:-**

**A->I1**

**B->I1,I2**

**Output:-**

**A-I1 B-I2**

**A-I1**

**B-I1**

**B-I2**

**Test Case 4:-**

**A->I1,I2,I3**

**B->I1,I2,I3**

**C->I1,I2**

**Output:-**

**A-I2 B-I3 C I1**

**A-I3 B-I2 C I1**

**A-I3 B-I1 C I2**

**A-I1 B-I3 C I2**

**Test Case 5:-**

**A->I1,I2,I3,I4**

**B->I1,I2,I3,I4**

**C->I1,I2,I3,I4**

**Output:-**

**A-I1 B-I2 C-I3**

**A-I2 B-I1 C-I3**

**A-I1 B-I2 C-I4**

**A-I2 B-I1 C-I4**

**Test Case 6:-**

**A->I1,I2**

**B->I1,I2**

**C->I1,I2,I3**

**Output:-**

**A-I1 B-I2 C-I3**

**A-I2 B-I1 C-I3**

**A-I1 B-I2**

**A-I2 B-I1**

**Test Case 7:-**

**A->I1,I2,I3**

**B->I1,I2**

**C->I1,I2,I3**

**D->I1,I2**

**Output:-**

**A-I3 B-I1 C-I2**

**A-I3 B-I2 C-I1**

**A-I1 B-I2 C-I3**

**A-I2 B-I1 C-I3**

**Test Case 8:-**

**A->I1,I2**

**B->I1,I2**

**Output:-**

**A-I1 B-I2**

**A-I2 B-I1**

**A-I1**

**A-I2**

**Test Case 9:-**

**A->I1**

**B->I1,I2**

**C->I1,I2,I3**

**Output:-**

**A-I1 B-I2 C-I3**

**A-I1 B-I2**

**A-I1 C-I3**

**B-I1 C-I3**

**Test Case 10:-**

**A->I1,I2,I3**

**B->I1,I2**

**C->I1,I2,I3**

**Output:-**

**A-I1 B-I2 C-I3**

**A-I3 B-I2 C-I1**

**A-I2** B-I1 **C-I3**

**A-I1 B-I2 C-I3**