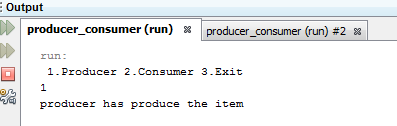
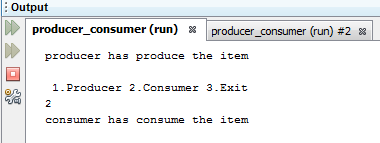
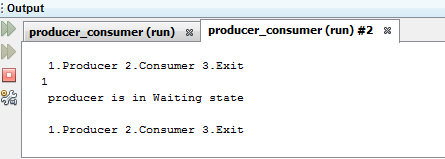
case1: Producer is run



case2: Consumer is run



case3: overflow condition



case4: underflow condition

