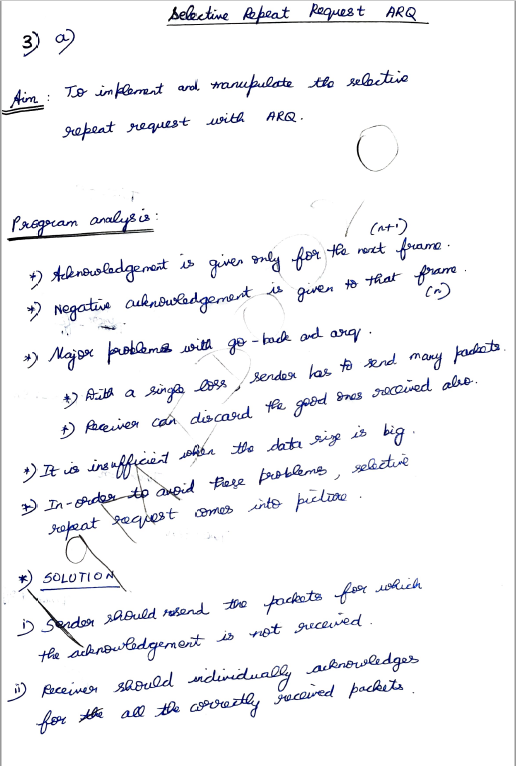
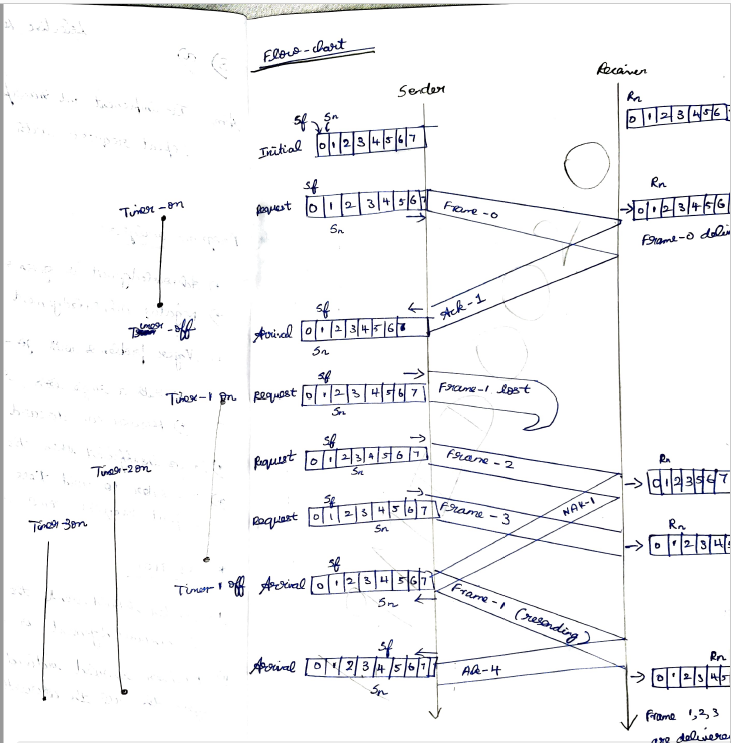
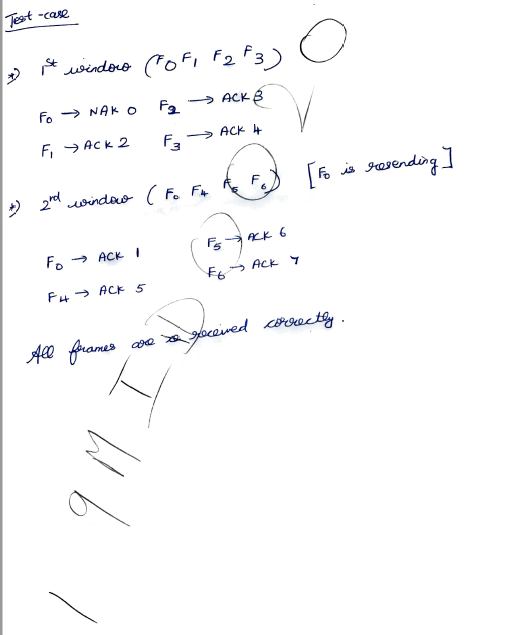
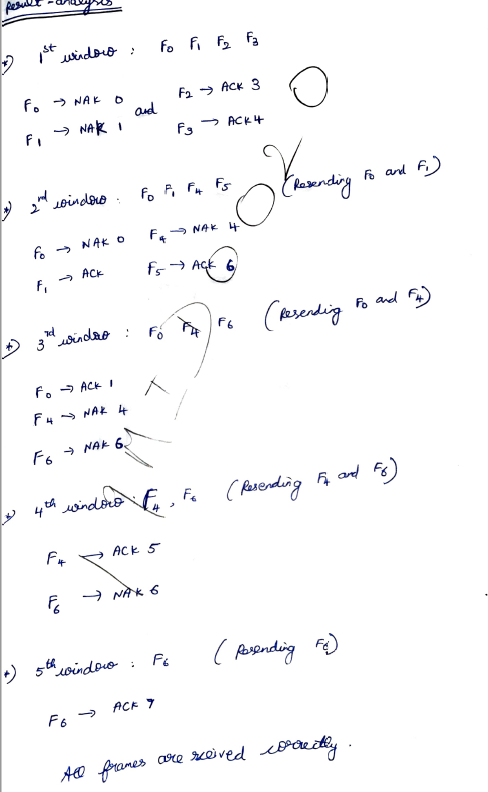
DCN Lab Exam Prashanth.S (19MID0020)

**3a)**

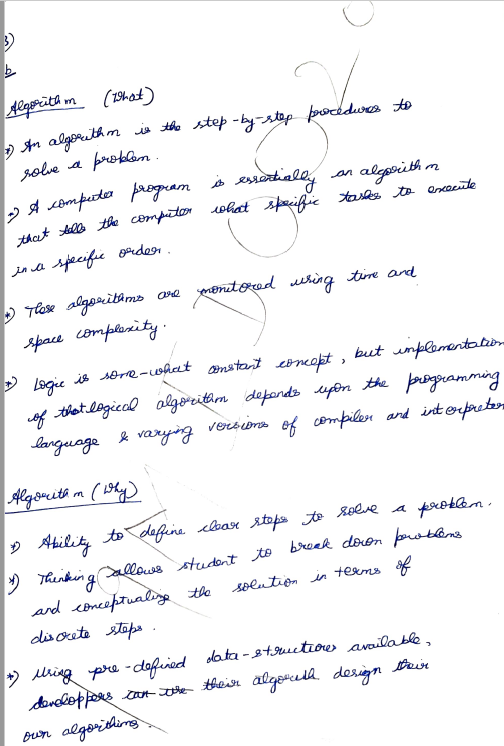


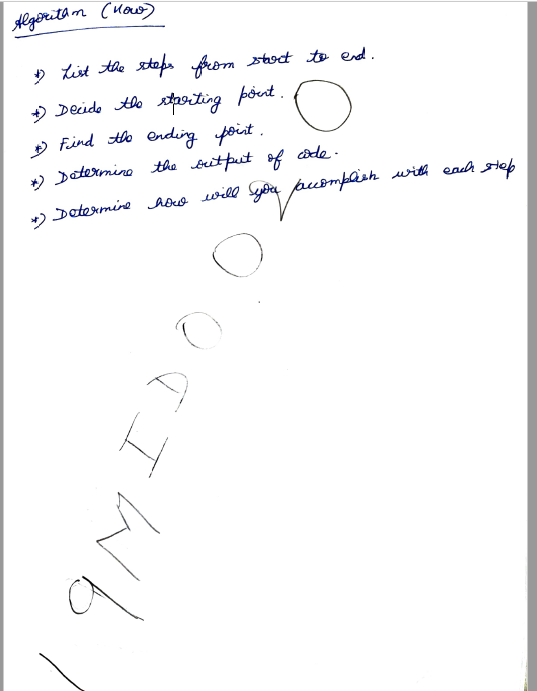




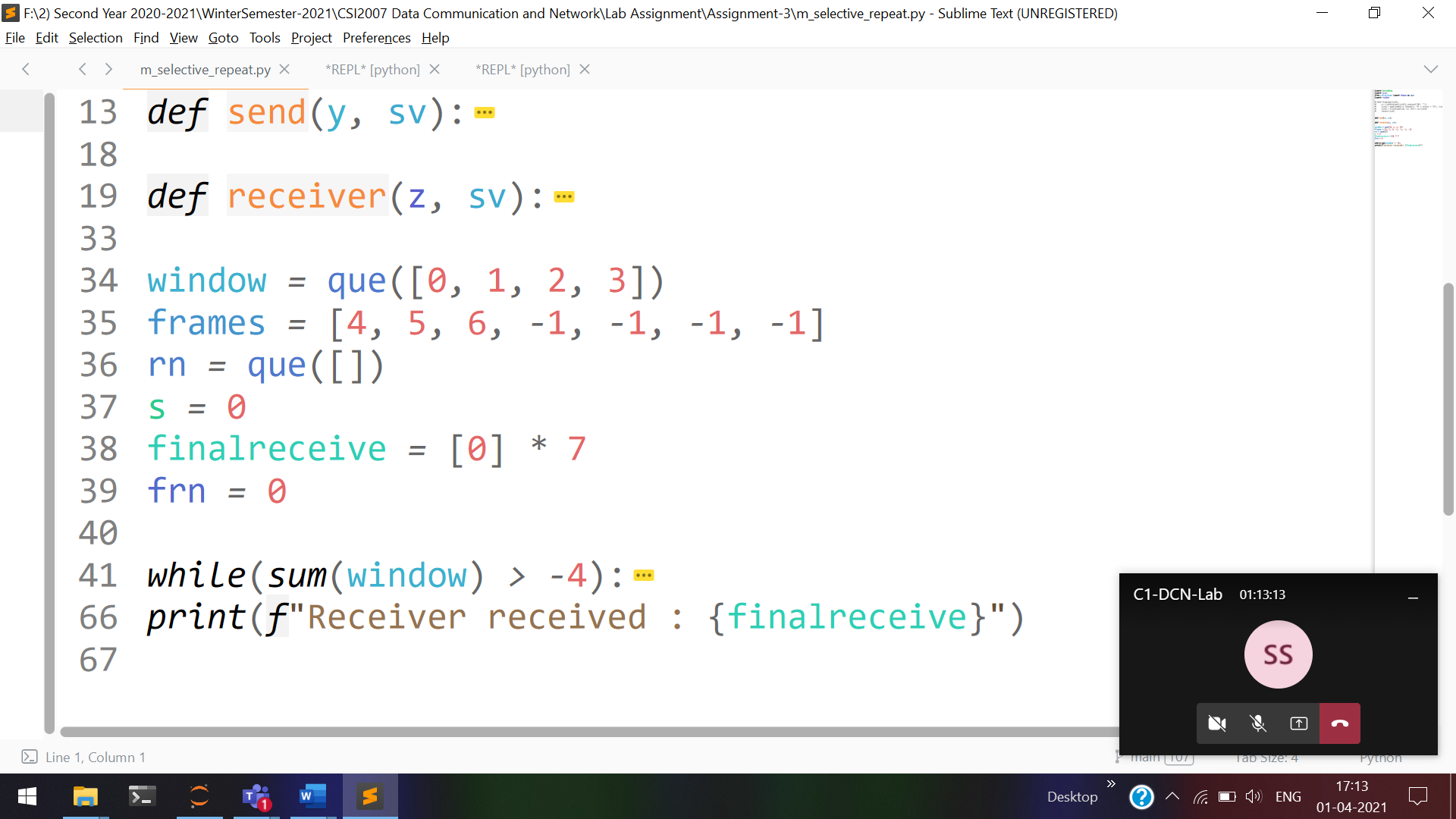


3b)

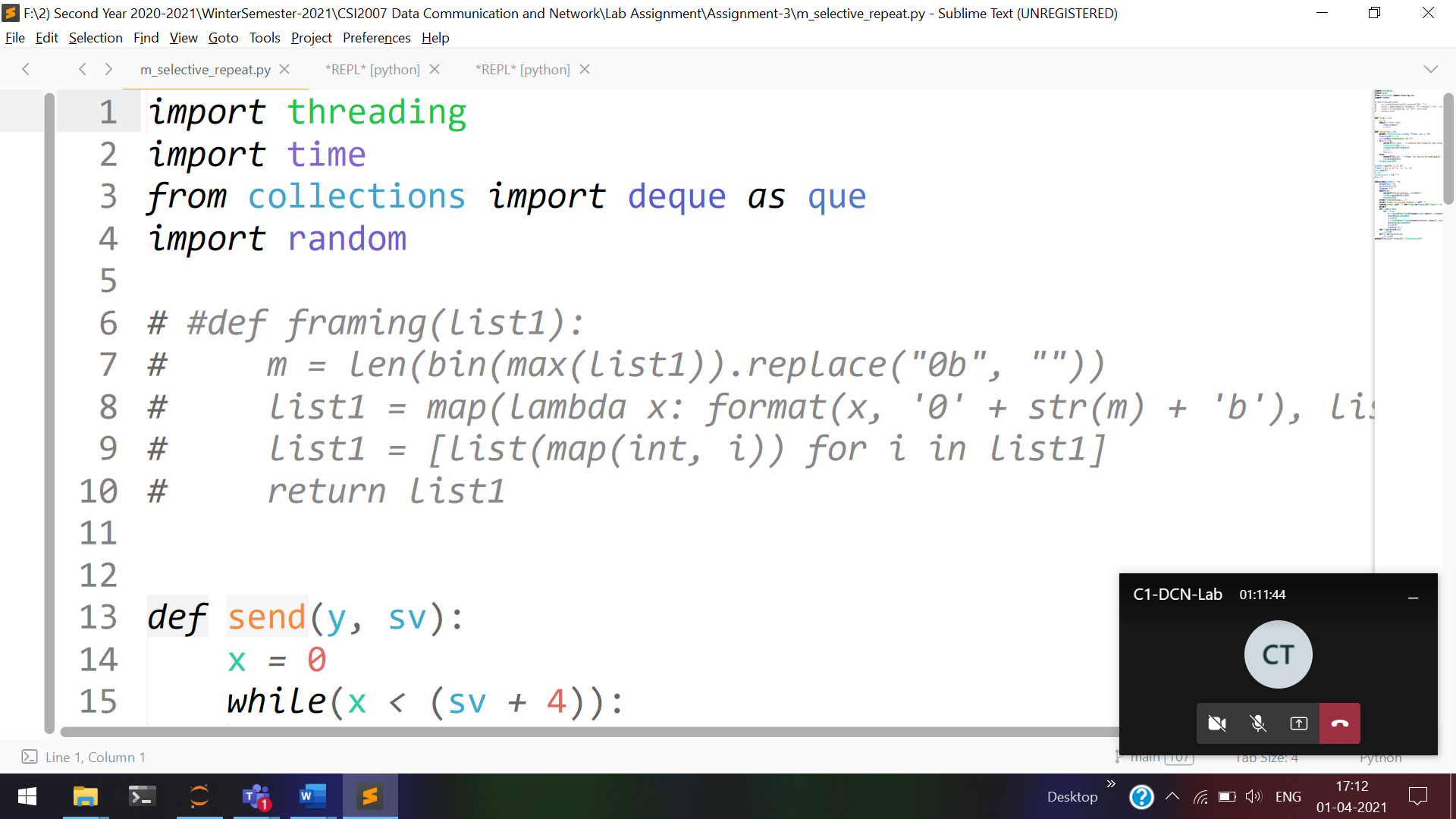


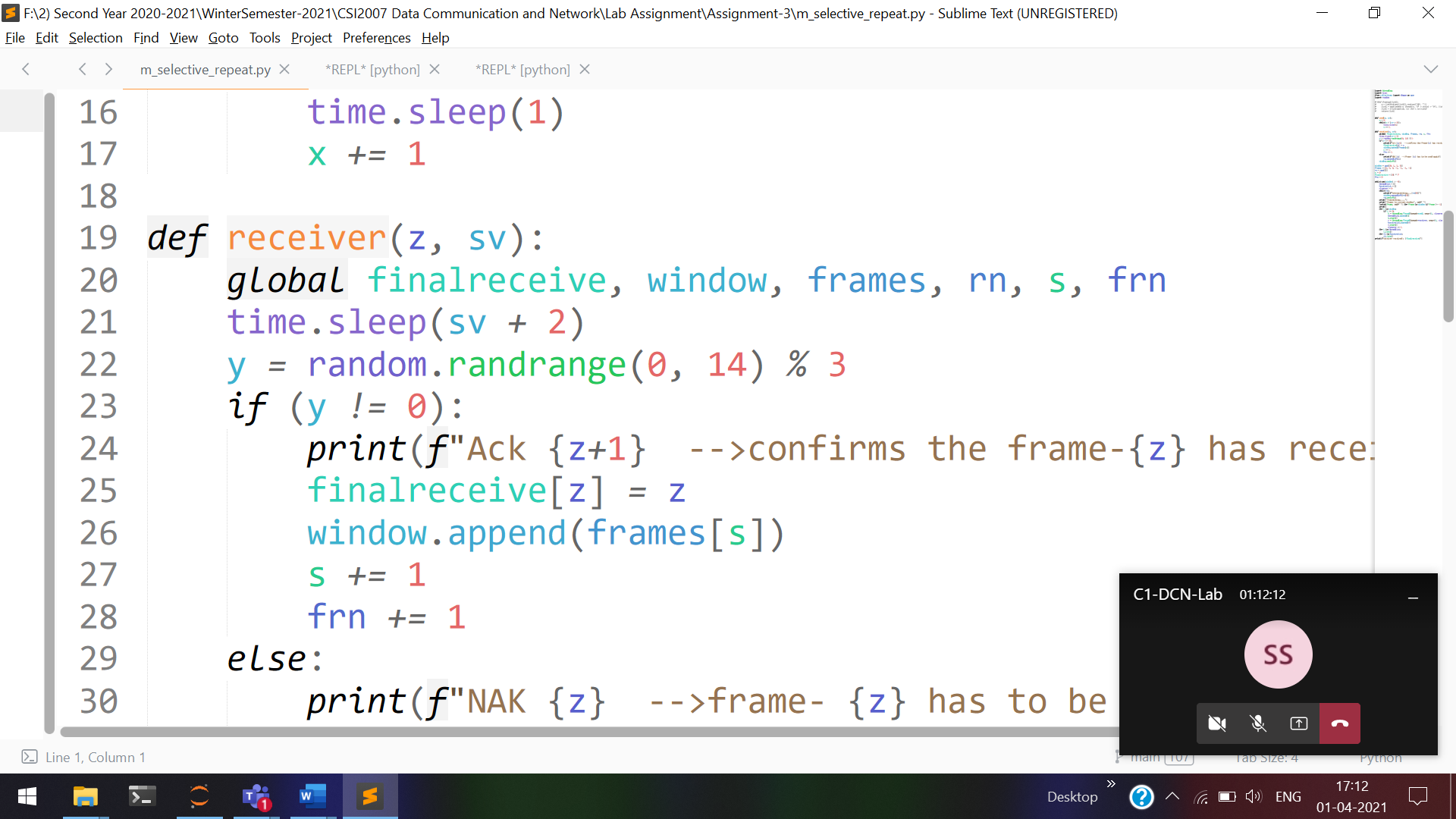


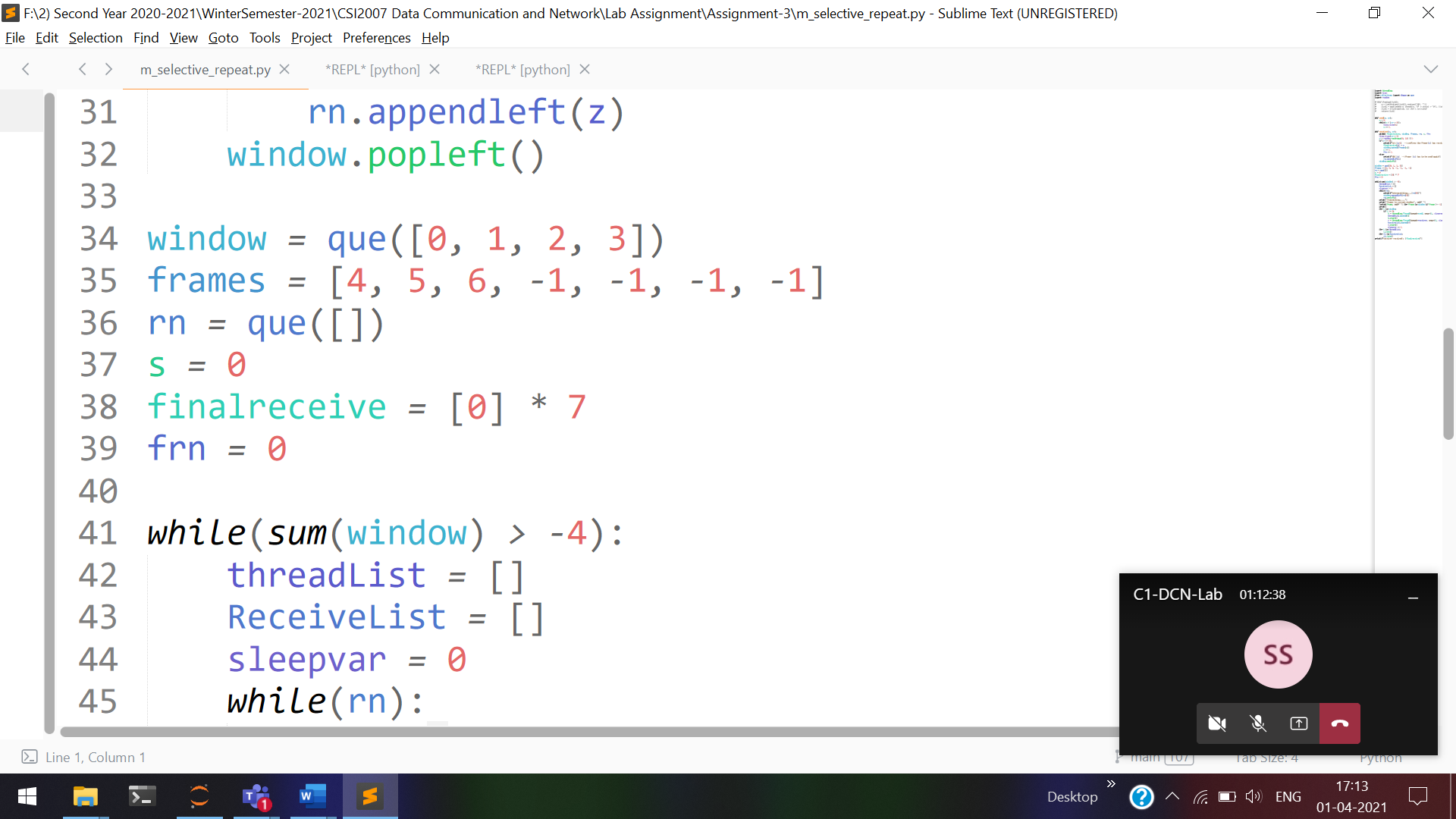
**Over-view of the program**

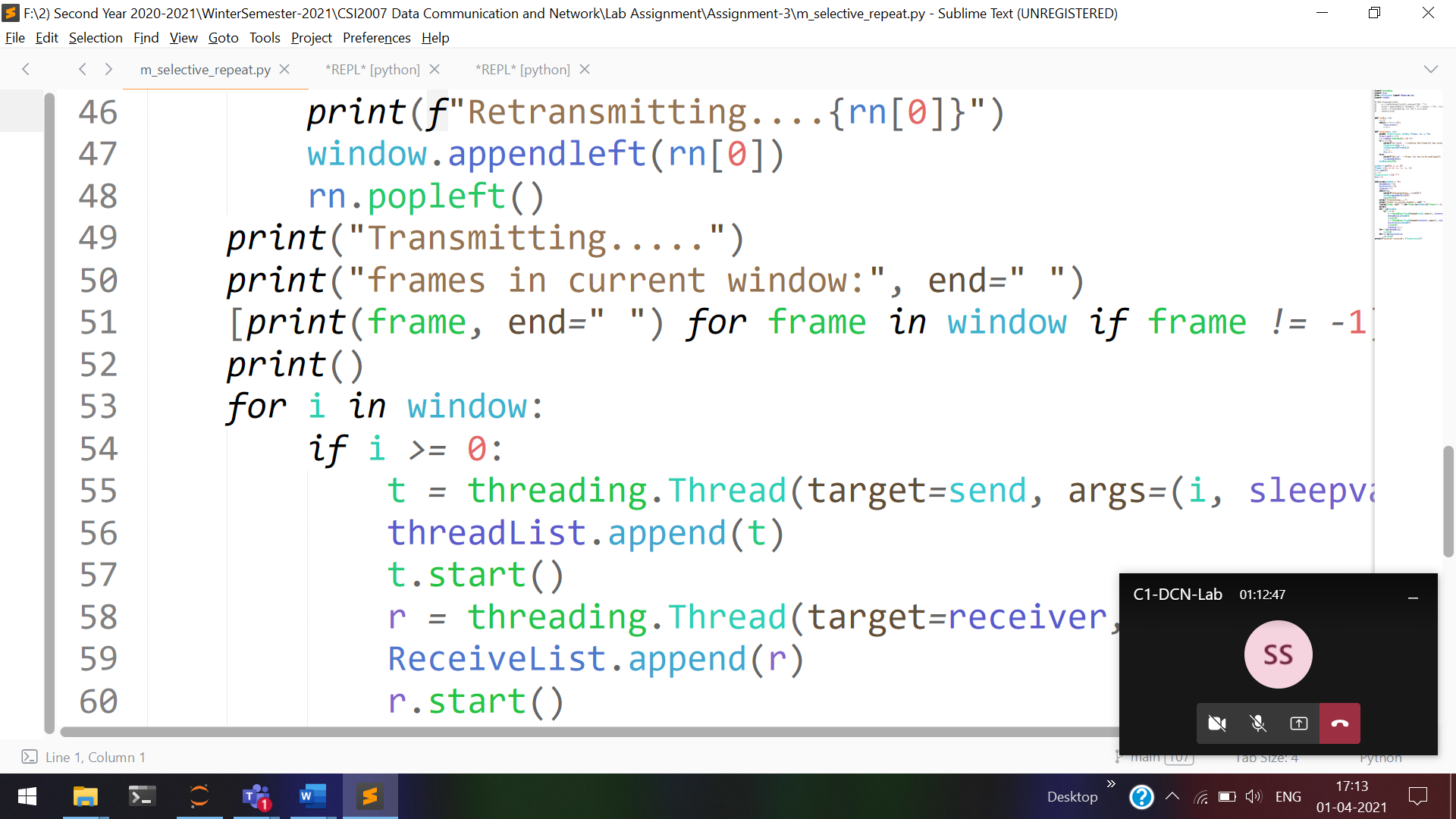


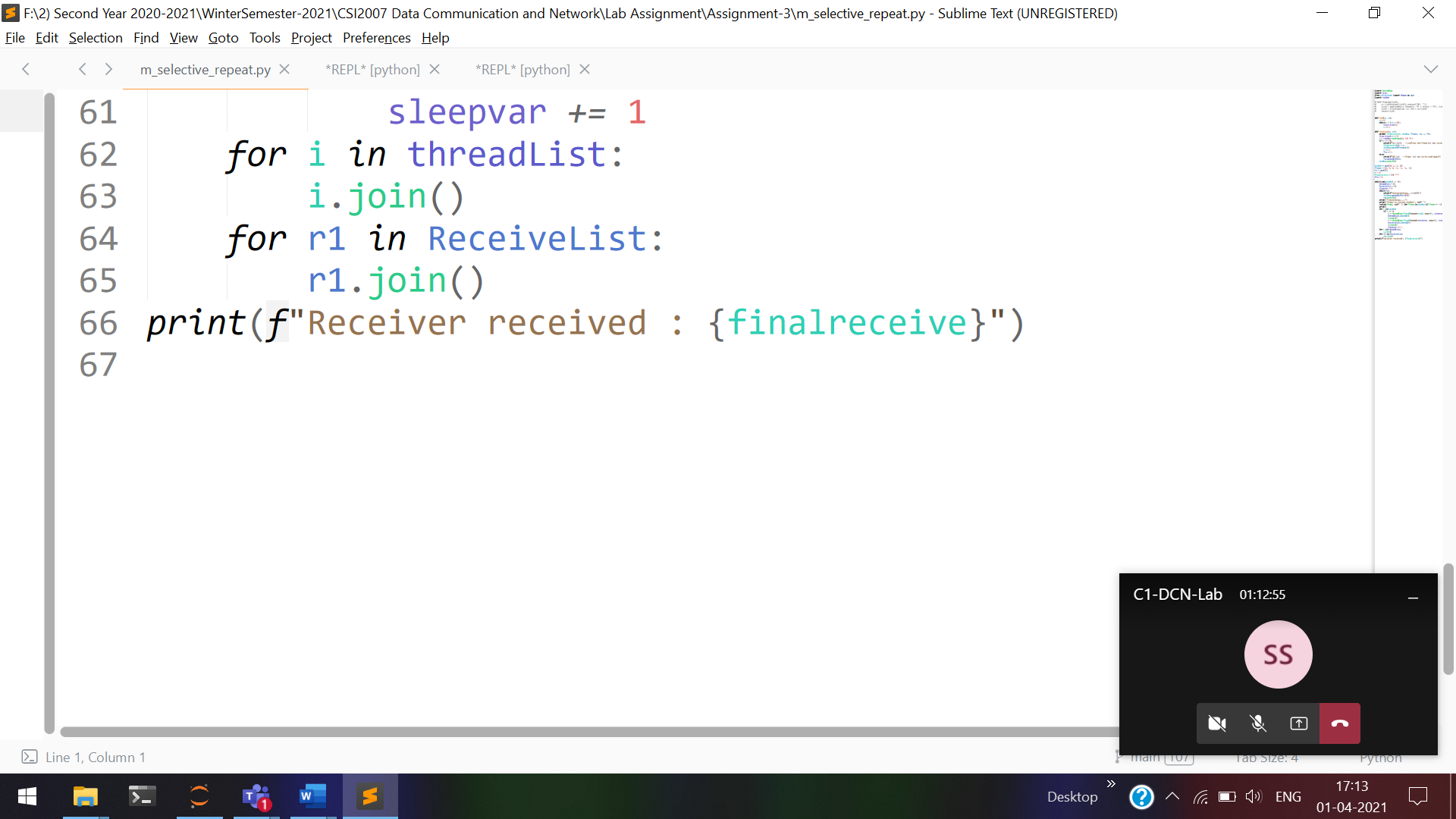
**Actual Code**



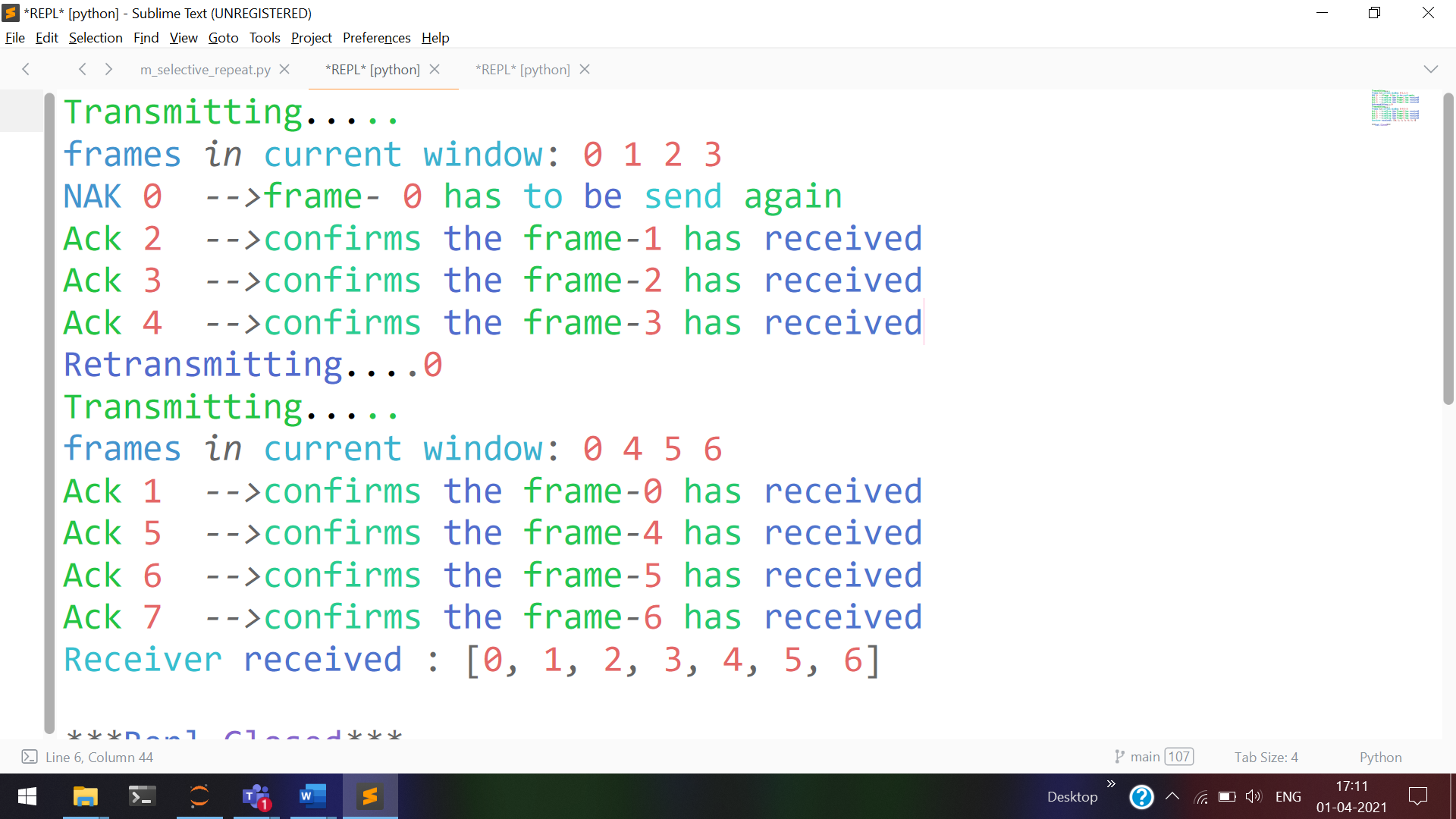








**Test-case**



**Output**

