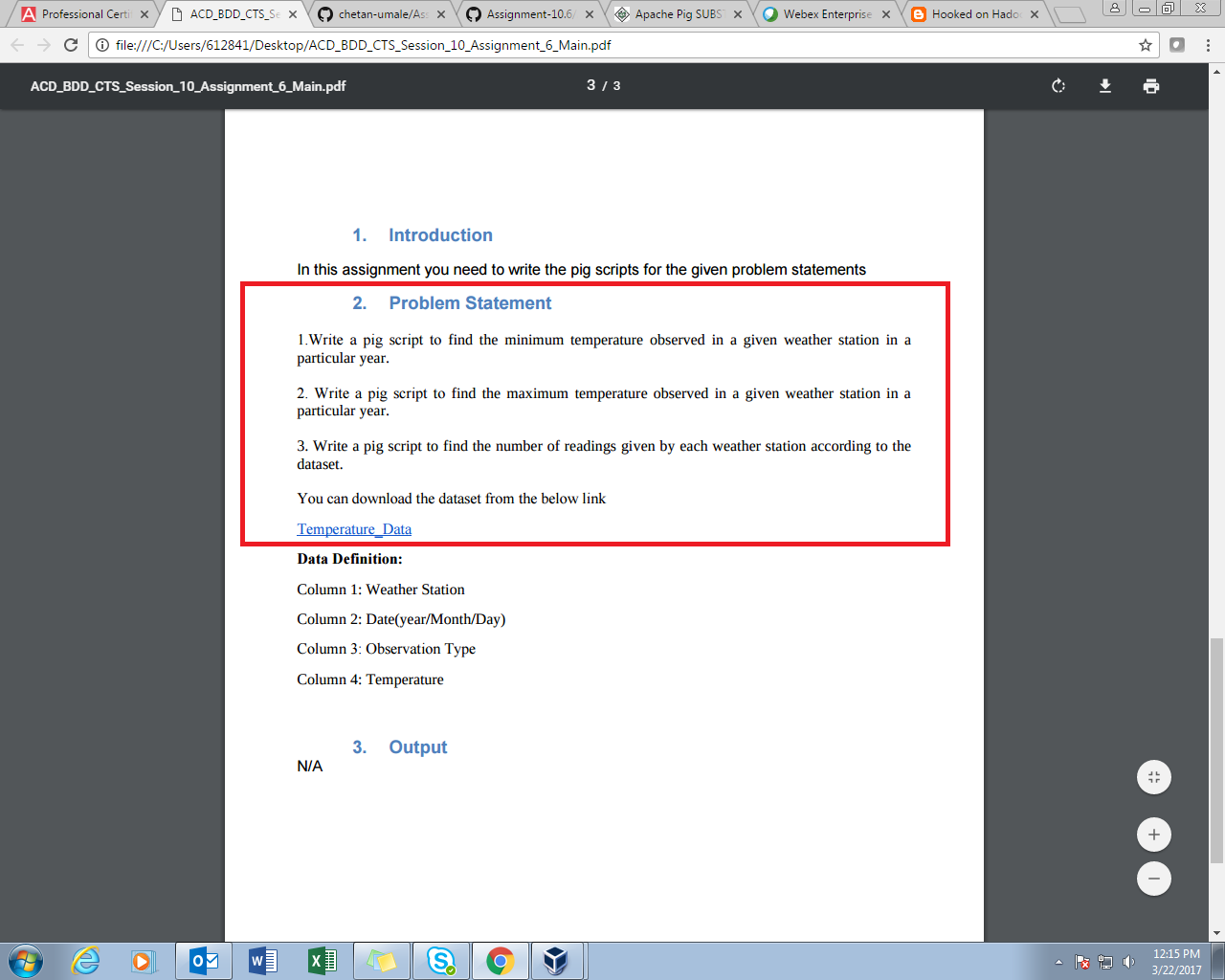
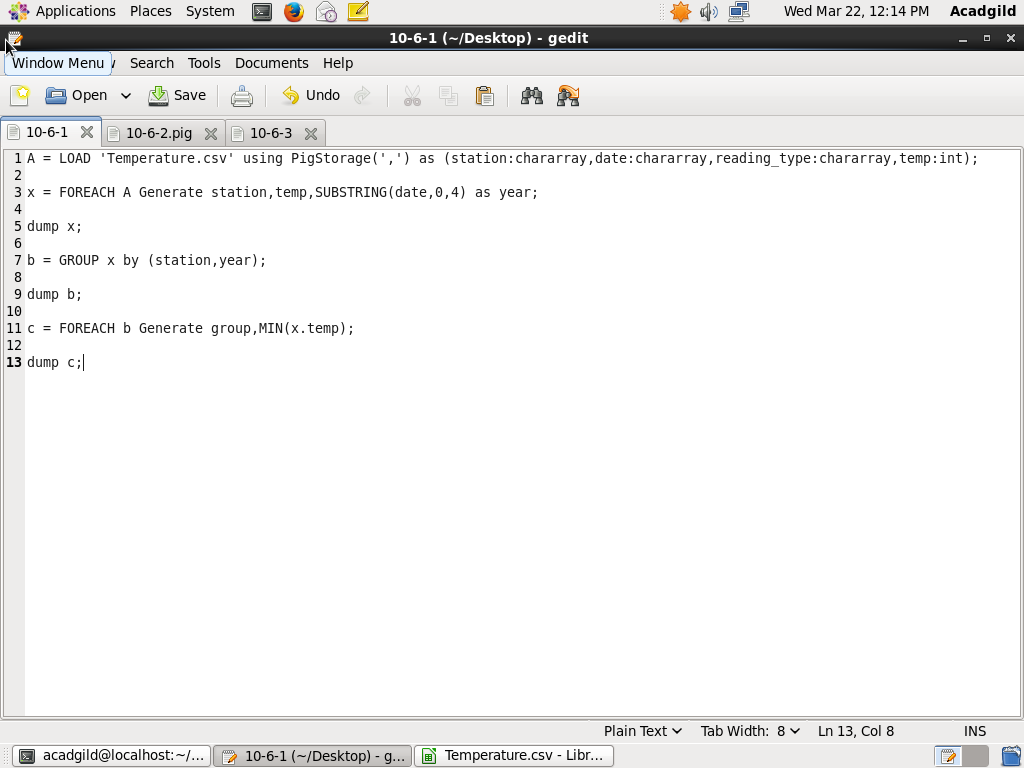
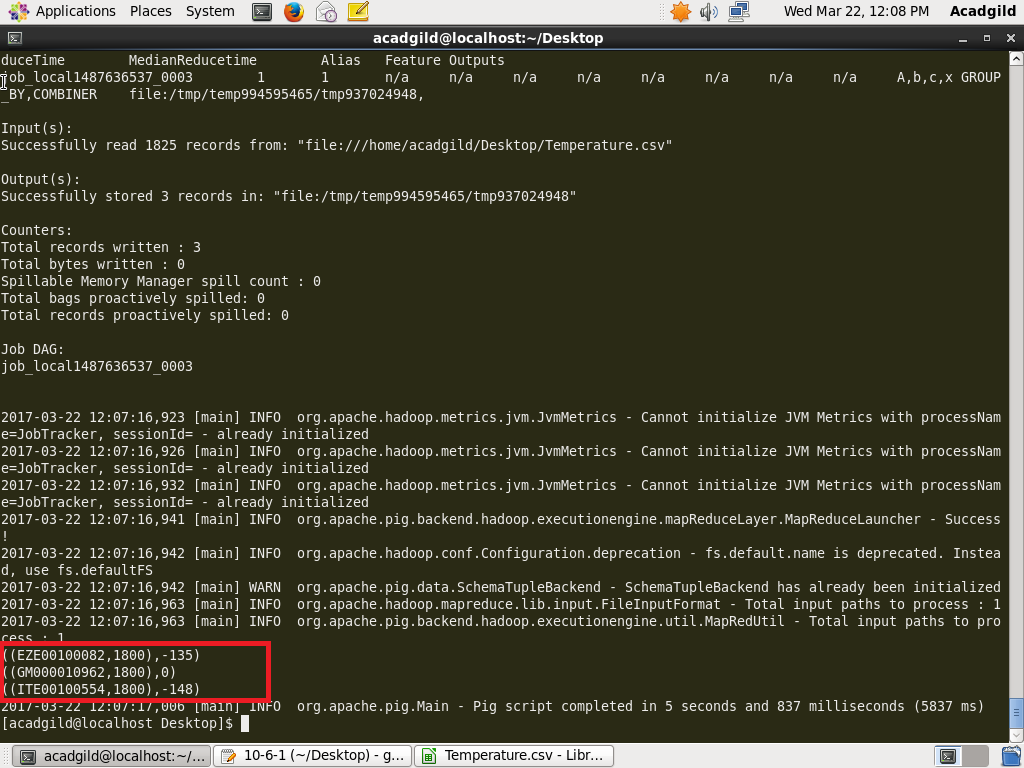
PROBLEM STATEMENT:



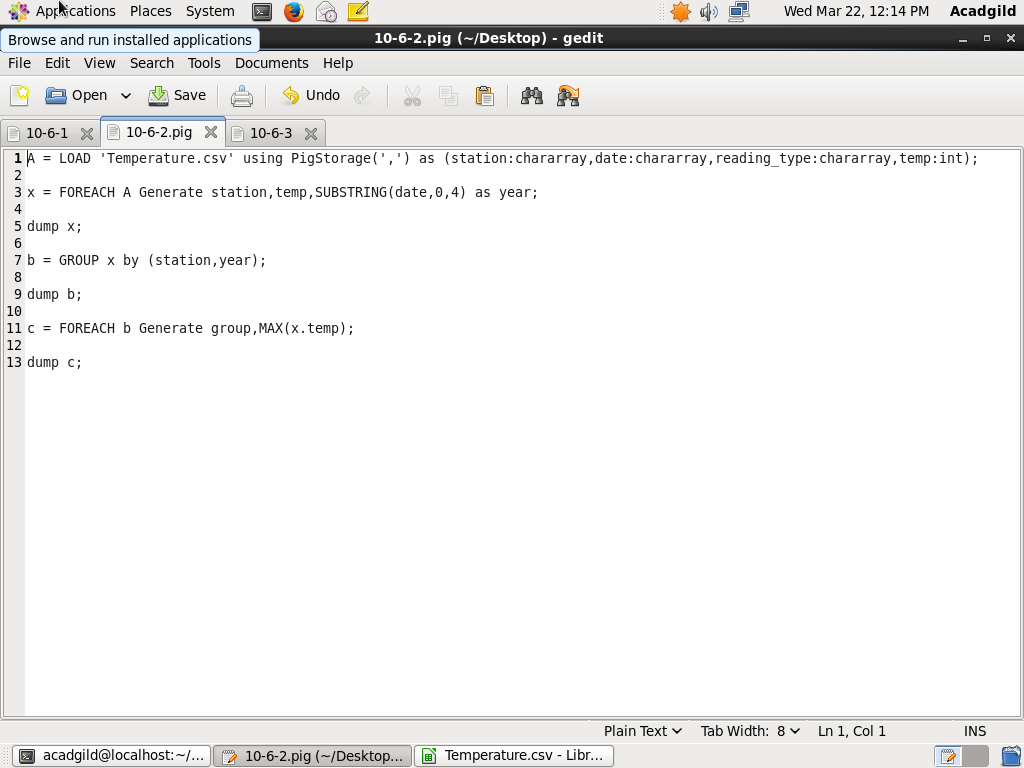
PROGRAM-1:



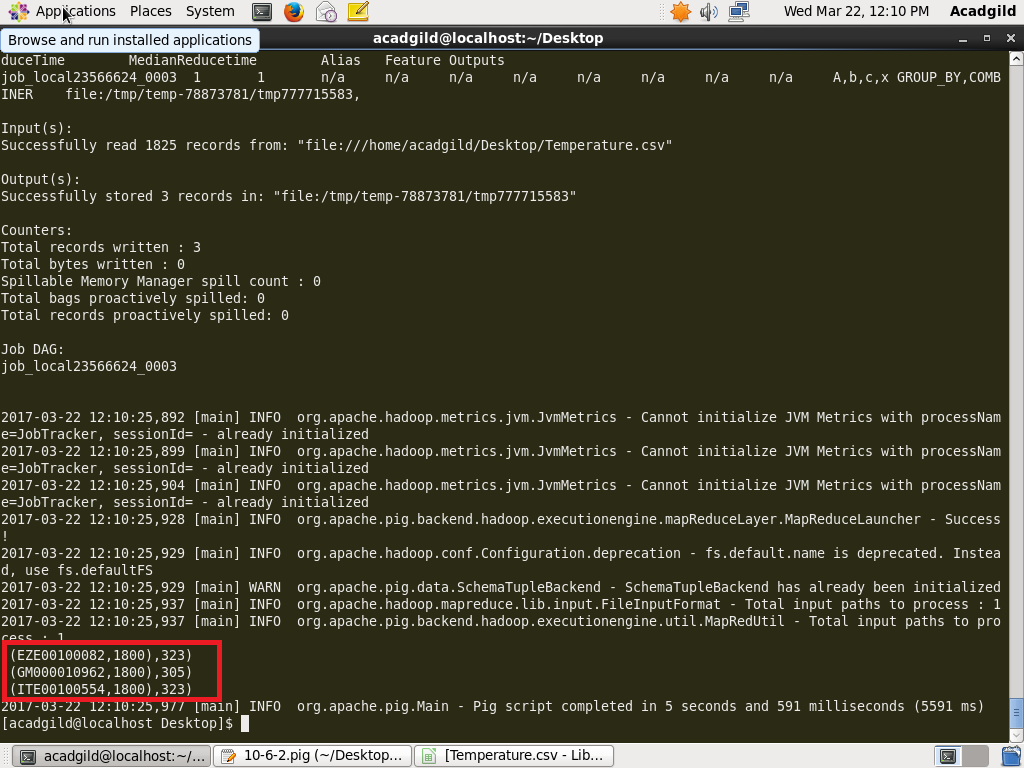
OUTPUT-1:



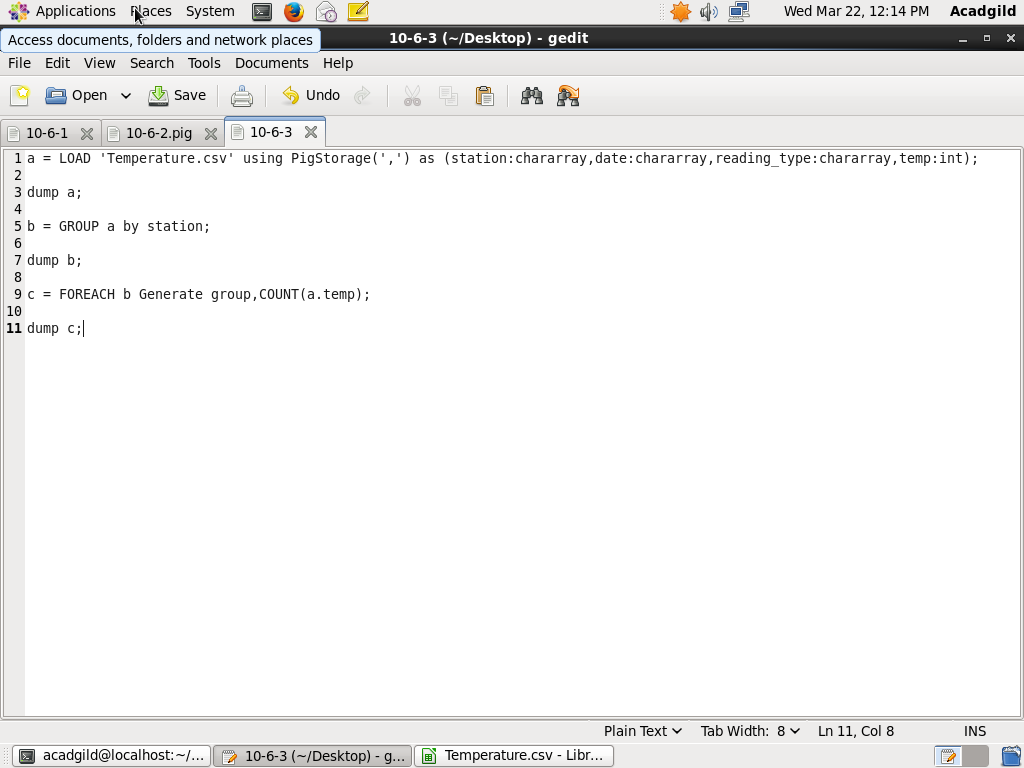
PROGRAM-2:



OUTPUT-2:



PROGRAM-3:



OUTPUT-3:

