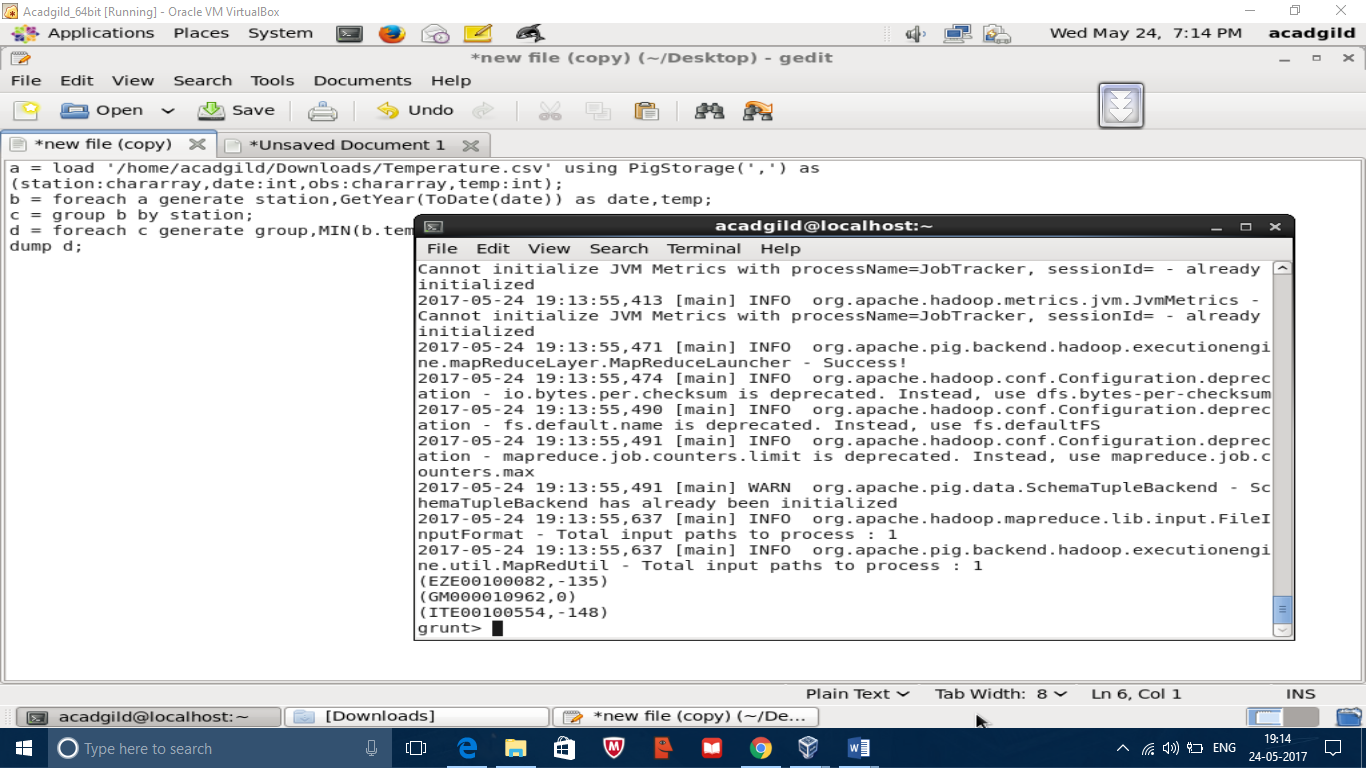
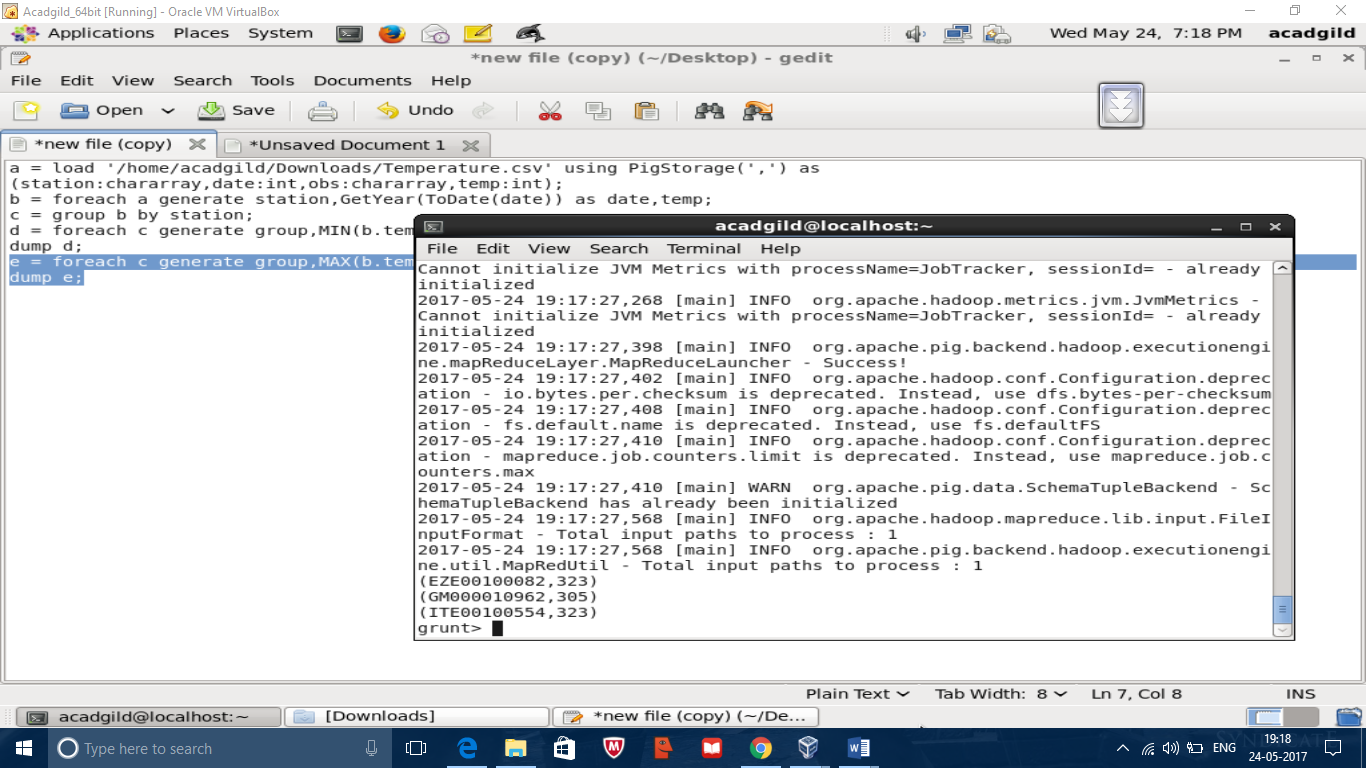
Problem 1

Output



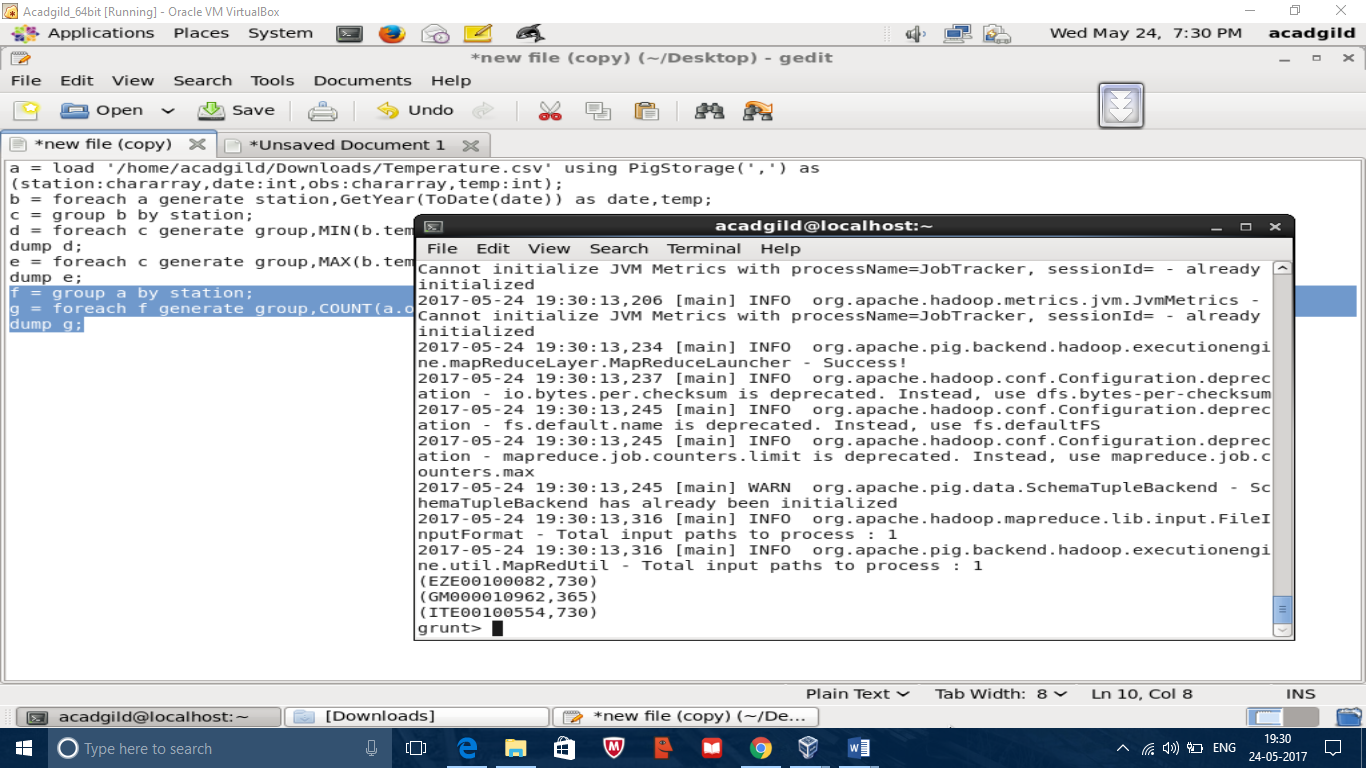
Problem 2

Output



Problem 3

Output



Code

