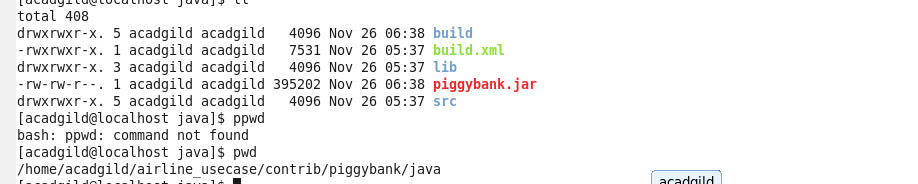
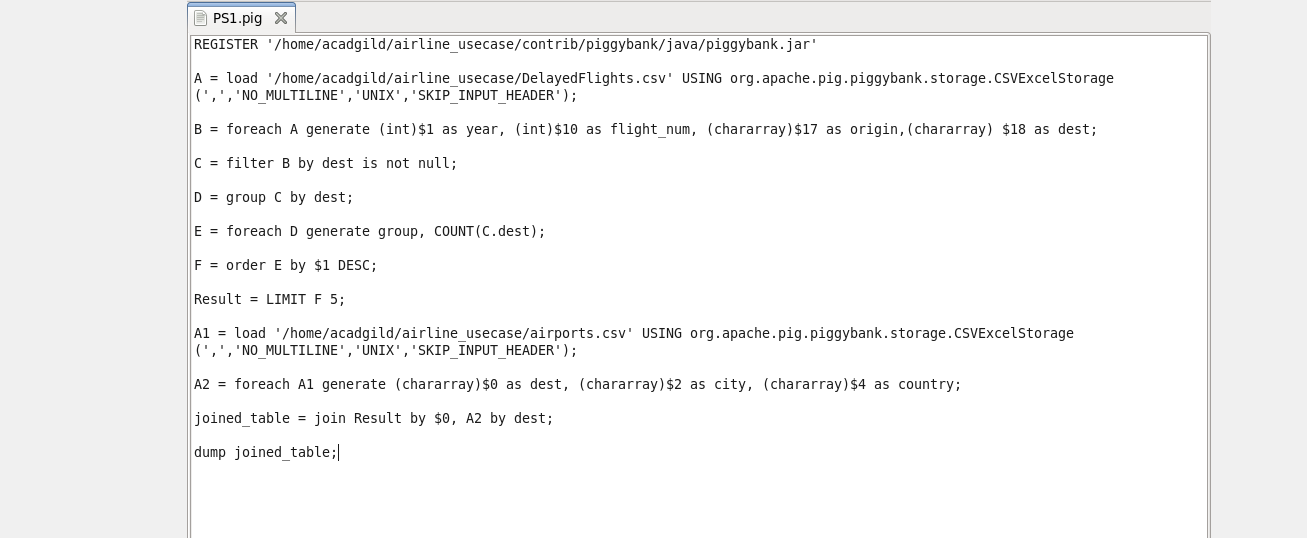
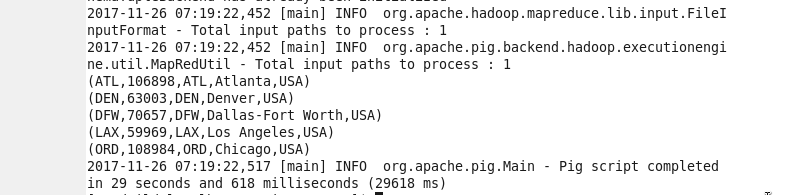
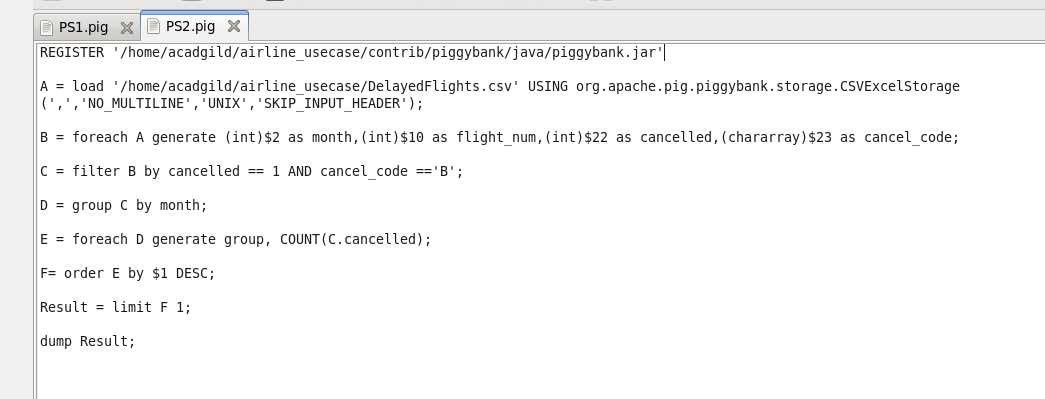
Problem Statement 1:



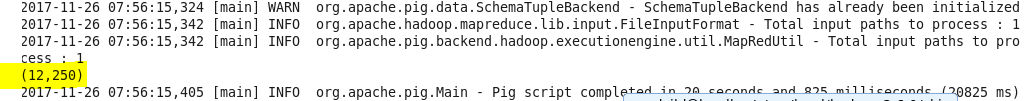




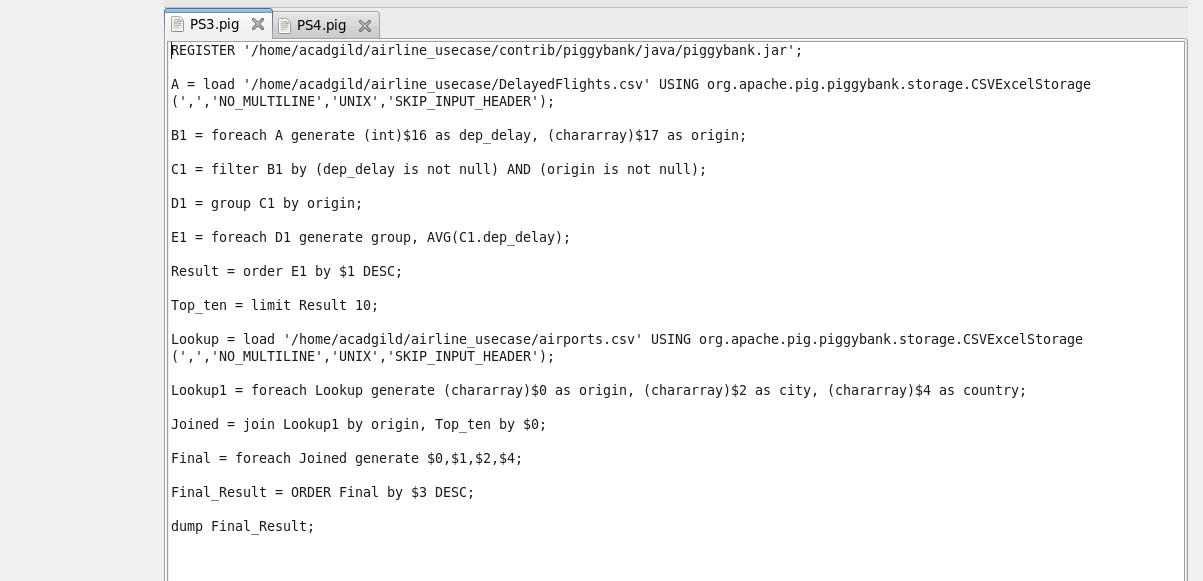
Problem statement 2:



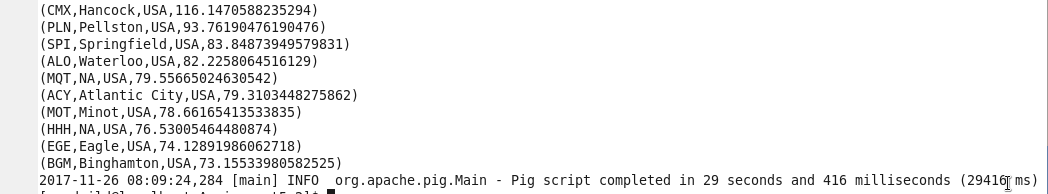
Output :



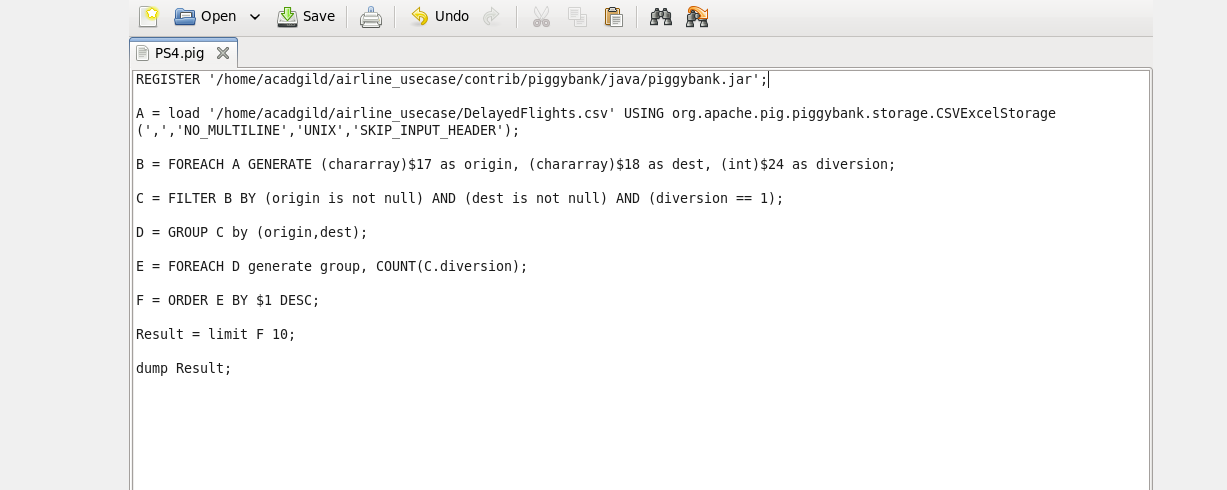
Problem Statement 3:



Output:



Problem statement 4:



Output:

