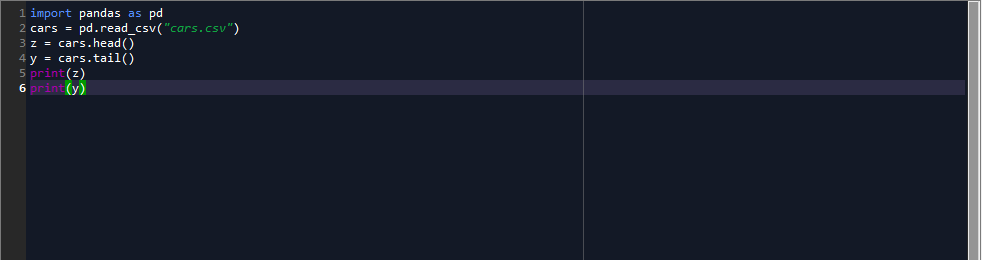
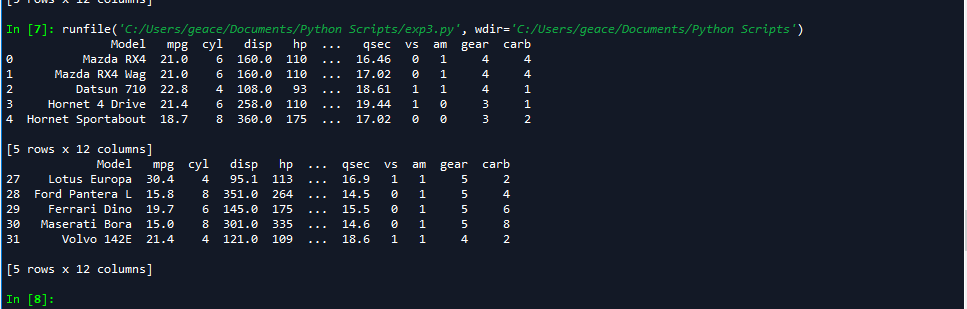
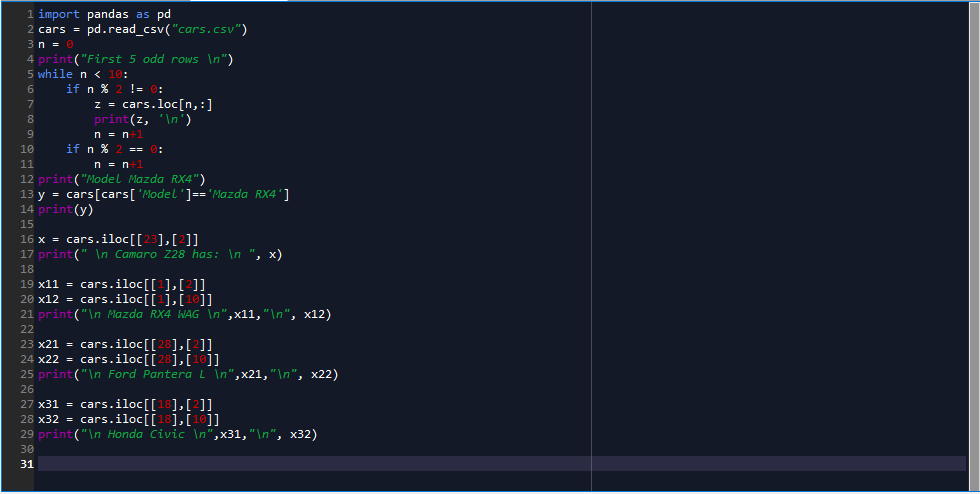
Problem 1



output



Problem 2



Output

