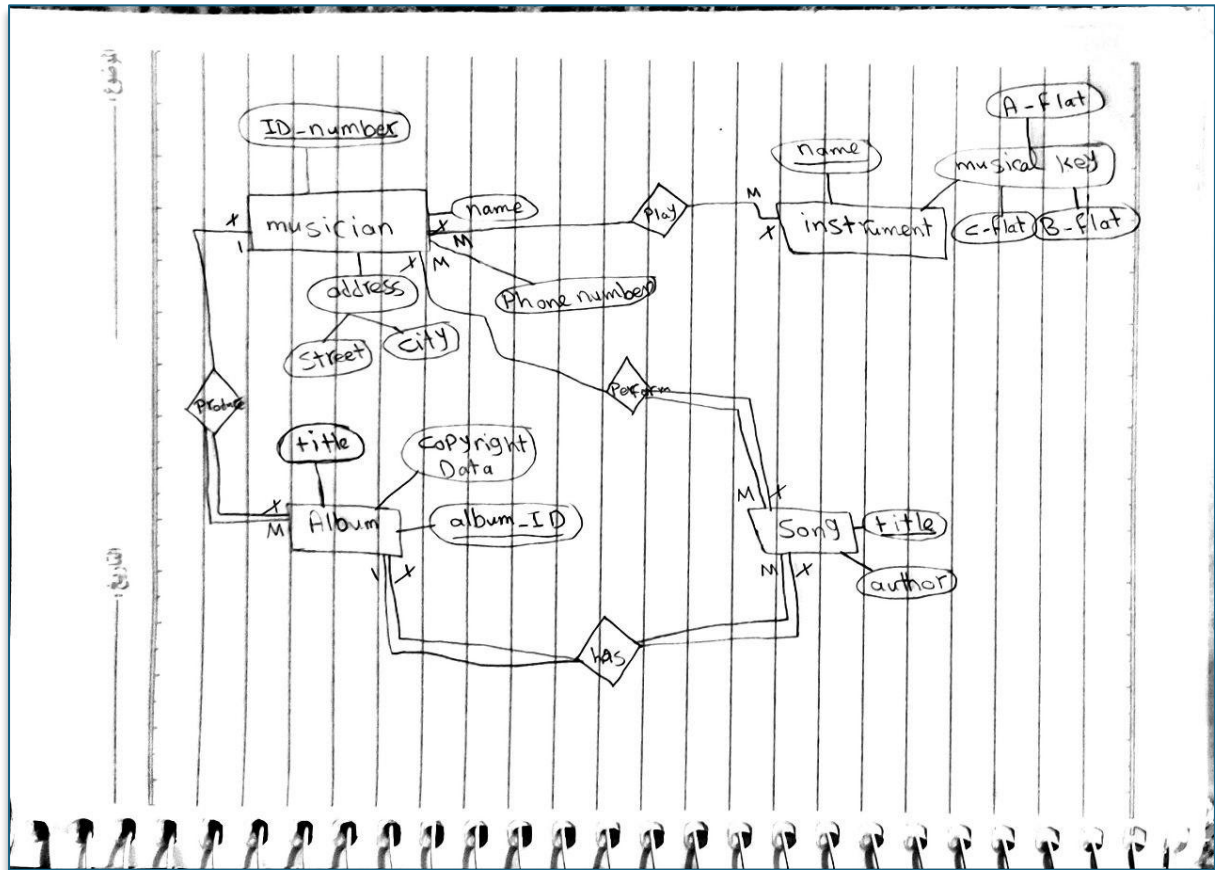
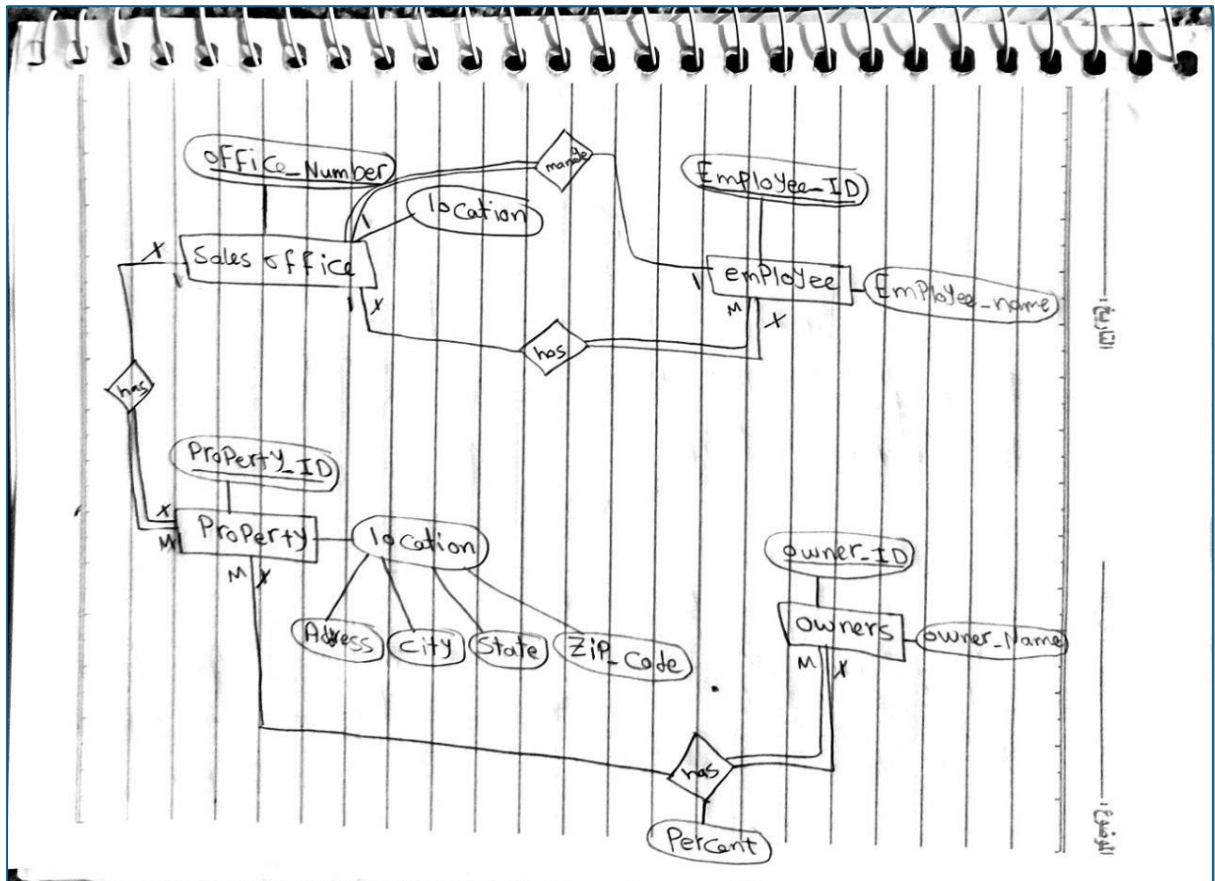


## Problem 1 Solution:



## Problem 2 Solution:



### Problem 3 Solution:

