Database Quiz

Name _____

CNetID _____

Question 1

Given the following database schema:

movies	
id	int autoincrement
title	varchar(255)
year	int
duration	int

roles	
id	int autoincrement
movie_id	int
actor_id	int
character	varchar(255)

actors	
id	int autoincrement
name	varchar(255)

Write the SQL for each of the following queries:

1.1 How many movies were released in 2004?

1.2 What is the average duration of all movies that star Tom Hanks?

Question 2

You own an ice cream store. Once a week, you receive new shipments of ice cream in various flavors that you store in the back freezer. Each flavor comes in 5 gallon and 10 gallon boxes, from which you cut the ice cream into 1-gallon containers for customer display.

At the end of each day, you record how much ice cream of each flavor has been sold, so that you know which flavors you will need to re-order for the following week.

Draw a database schema that would help you keep track of your inventory.