Question 2

/\* Q2: How much money is tied up in inventory at the toy stores? How long will it last? \*/

SELECT

SUM (stock\_on\_hand \* product\_cost) AS money\_tied\_up

FROM

inventory

JOIN products ON products.product\_id = inventory.product\_id

WHERE

product\_category = 'Toys'

/\* Part A Result: $99,861.47 is tied up in inventory at the Toys stores. \*/

WITH average\_daily\_sales AS (

SELECT

product\_id,

AVG(units) AS average\_daily\_sales

FROM

sales

GROUP BY

product\_id

)

SELECT

AVG(i.stock\_on\_hand / s.average\_daily\_sales) AS estimated\_days\_last

FROM

inventory AS i

JOIN

products AS p ON p.product\_id = i.product\_id

JOIN

average\_daily\_sales AS s ON s.product\_id = p.product\_id

WHERE

p.product\_category = 'Toys';

/\* Part B Result: It would last for about 14 days. \*/