-- INDEPENDENT PRACTICE

-- 1. How many products are there in the production.product table? (1 row = 504)

SELECT COUNT(p.productid)

FROM production.product AS p;

-- 2. How many products have a list price greater than $500? (1 row = 136)

SELECT COUNT(p.productid)

FROM production.product AS p

WHERE p.listprice > 500;

-- 3. How many distinct products have a list price greater than $500? (1 row = 136)

SELECT COUNT (DISTINCT p.productid)

FROM production.product AS p

WHERE p.listprice > 500;

-- 4. What are the product IDs that have a standard cost less than $100 and a list price greater than $200? (2 rows, ID's 816 & 821)

SELECT p.productid, p.standardcost, p.listprice

FROM production.product AS p

WHERE p.standardcost < 100

AND p.listprice > 200;

-- 5. From question 4 above, what are the names and gross profit margins (price - cost) of these items?

--Print the output as a money datatype. (Hint: use CAST)

SELECT p.productid, p.standardcost, p.listprice, CAST(p.listprice-p.standardcost AS money) AS gross\_profit\_margin

FROM production.product AS p

WHERE p.standardcost < 100

AND p.listprice > 200;

-- 6. How many products are black in color OR considered finished goods? (1 row = 295)

SELECT COUNT(p.name)

FROM production.product AS p

WHERE p.color = 'black'

OR p.finishedgoodsflag = 'true';