**Kingston SQL Test**

--1.Write a well-structured tSQL query to calculate the Total profits per order, for orders of type = A ordered in the year 2021.

SELECT

OL.Order\_ID,

SUM(OL.Order\_Qty\*(OL.Unit\_Price-OL.Unit\_Cost)) AS Total\_Profits

FROM OrderLines OL

INNER JOIN OrderHeader OH

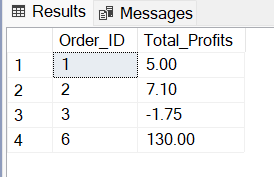
ON OL.Order\_ID = OH.Order\_ID

WHERE OH.Order\_Type = 'A'

AND OH.Order\_Date LIKE '%2021%'

GROUP BY OL.Order\_ID

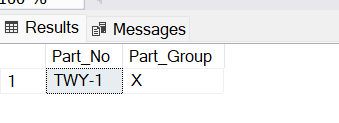
Order By OL.Order\_ID



--2.Write a well-structured tSQL query to insert a new product called TWY-1 of group type X in the products table

INSERT INTO Product

VALUES ('TWY-1', 'X')



--3.Write a well-structured tSQL query to calculate the Total profits and Total Qty by Part Group for orders in February 2021.

SELECT

P.Part\_Group,

SUM(OL.Order\_Qty) AS Total\_Qty,

SUM(OL.Order\_Qty\*(OL.Unit\_Price-OL.Unit\_Cost)) AS Total\_Profits

FROM OrderLines OL

INNER JOIN OrderHeader OH

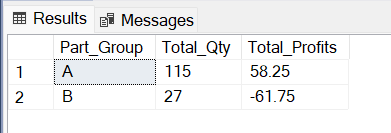
ON OL.Order\_ID = OH.Order\_ID

INNER JOIN Product P

ON P.Part\_No = OL.Part\_No

WHERE OH.Order\_Date LIKE '%/02/2021%'

GROUP BY P.Part\_Group



--4.Write a well-structured tSQL query to Update the order line status to 999 for the orders 100000 and 100001 and order type B.

update OrderLines set Status = 999

where Order\_ID IN

(SELECT Order\_ID

FROM OrderHeader

WHERE Order\_Type ='B' AND Order\_No between 100000 AND 100001 )

