	Name()
	Class Knowledge Monngement Opened: 26 July 2023 Reg late: Reg 10: CSDB Typez Implementation
	Obened: 26 July 202]
	b) la Part CSDR The Independent from
	Regulater Rog 10: CSDB Typez implementation Toyac : Hader Rank Skill Certification
	logic 1 Magarkank skill certification
	Question: SQL Intermediate level
	Database
	Oueston: SQL — Intermediate level Discipline of learning: Database Okound (GROUPBY / SUB-QUERIES
Coo	de Blame 5 lines (5 loc) · 258 Bytes
	SELECT co.country_name, count(*), AVG(i.total_price) FROM country co, city ci, customer cu, invoice i
	WHERE co.id = ci.country_id AND ci.id = cu.city_id AND cu.id = i.customer_id GROUP BY co.country name
	HAVING AVG(i.total_price) > (SELECT AVG(total price))
Code	Blame 5 lines (5 loc) · 340 Bytes
1 2	SELECT ci.city_name, pr.product_name, ROUND(SUM(ii.line_total_price), 2) AS tot FROM city ci, customer cu, invoice i, invoice_item ii, product pr
3 4	WHERE ci.id = cu.city_id AND cu.id = i.customer_id AND i.id = ii.invoice_id AND ii.product_id = pr.id GROUP BY ci.city_name, pr.product_name
5	ORDER BY tot DESC, ci.city_name, pr.product_name

1

EDB 134

Hackrank SQL (Intermediate Level) Skill test Certificate

In this paper, the question is divided into 2 parts. Parts 1 and 2 are both applications of SQL queries involving output alias (AS) keyword, table aliasing, logical operation (AND, OR), formatting keyword (GROUP BY), sub-queries; and previously assessed keywords.

Part 1

The query prints out 3 columns of output data, COUNTRY NAME, qty of order, and the average number of invoice total price.

Firstly, selected 4 tables and named them with corresponding table alias;

Then, the WHERE clause started to match different criteria from columns between tables:

After, the GROUP BY function formats outputted entries into COUNTRY_NAME format.

Finally, because of the aggregate function COUNT(*) and AVG, you cannot use the WHERE statement, thus, the HAVING statement kicks in.

The final line needs to calculate the invoice total average price and compare it with the table overall average invoice total price, the former is being outputted.

Part 2

The query is to print out 3 columns of output data, CITY_NAME, PRODUCT_NAME, and alias call TOT which is an aggregate function output that SUMs the line total price then ROUNDED to 2nd decimal point behind.

First and second step is same with part 1 solution, which skip explaining.

Thirdly, GROUPING the selected entries BY CITY_NAME at first, then PRODUCT_NAME as secondary.

Finally, the output entries will pass an ORDER BY filter which orders by descending order of TOT values that, are then followed by 2 resting GROUPed columns.