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PROD_ID	NOT NULL	NUMBER
CUST_ID	NOT NULL	NUMBER
QUANTITY_SOLD	NOT NULL	NUMBER(10,2)

- |   |   |
|---|---|
|  | It executes successfully and generates the required result.   |
|   | <b>Feedback:</b><br>Aggregate functions cannot be used in the where clause                                |
|   | It produces an error because COUNT(*) should be specified in the SELECT clause also.                      |
|  | It produces an error because COUNT(*) should be only in the HAVING clause and not in the WHERE clause.    |
|   | It executes successfully but produces no result because COUNT(prod_id) should be used instead of COUNT(*) |

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08 Group Functions - Quiz

08 Group Functions -

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Quiz

F. Sub queries can contain ORDER BY but not the GROUP BY clause

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ABC

Feedback:

while A & B are true, in C, any no. of columns or expressions can be compared between these queries.

✔

ABD

DEF

CDF

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Quiz

Feedback:

Only group based on customer city is need to display the cusstomers from the respected cities

SELECT cust\_city, AVG(cust\_credit\_limit)

FROM customers

WHERE cust\_city IN ('WASHINGTON','NEW YORK')

GROUP BY cust\_city,cust\_credit\_limit;

✓

SELECT cust\_city, AVG(cust\_credit\_limit)

FROM customers

WHERE cust\_city IN ('WASHINGTON','NEW YORK')

GROUP BY cust\_city;

SELECT cust\_city, AVG(NVL(cust\_credit\_limit,0))

FROM customers

WHERE cust\_city IN ('WASHINGTON','NEW YORK');

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Quiz

Feedback:

you need to group by on promo\_category

select promo\_category, avg(promo\_cost) avg\_cost, avg(promo\_cost)\*.25 avg\_overhead from promotions where lower(promo\_category) in ('tv','internet','post') group by avg\_cost,avg(promo\_cost)\*.25 order by avg\_overhead;

✓

select promo\_category, avg(promo\_cost) avg\_cost, avg(promo\_cost)\*.25 avg\_overhead from promotions where lower(promo\_category) in ('tv','internet','post') group by promo\_category order by avg\_overhead;

The query is absolutely fine, no error

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## Quiz

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5. Customer table has : cust\_name, cust\_city, cust\_income\_level, cust\_credit\_limit and country\_id columns.  
Which statement would display the highest credit limit available in each income level in each city in the CUSTOMERS table

	SELECT cust_city, cust_income_level, MAX(cust_credit_limit ) FROM customers GROUP BY cust_city, cust_income_level, cust_credit_limit;
	SELECT cust_city, cust_income_level, MAX(cust_credit_limit) FROM customers GROUP BY cust_city, cust_income_level;
	<b>Feedback:</b> include max(cust_credit_limit) in the select clause with group by on cust_city and cust_income_level
	SELECT cust_city, cust_income_level, MAX(cust_credit_limit) FROM customers GROUP BY cust_credit_limit, cust_income_level, cust_city ;

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Quiz

Score 0.00 of 1

6. Predict the output of the below query  
SELECT SUM(Sal)  
FROM Emp  
GROUP BY DeptNo;

✖

It will return the total salary for all the departments

✔

It will return the total salary in each department

Syntax error: Column list of select clause should have deptno

Syntax error: group by should be always followed by a having clause

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7. predict the output of the below query  
SELECT SUM(joindate)  
FROM Emp  
GROUP BY DeptNo;

✖

It will return the total number of days spent by all employees

Feedback:  
sum cannot be applied on dates

It will return the total number of days spent by all employees in each department

It will return the total number of months spent by all employees in each department

✔

Error

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Quiz

8. Predict the output of the following query:  
SELECT MIN(city) FROM Emp;

✖

Syntax error: Function min expects a numeric value

Feedback:

returns the least value based on the database character set

☐

It will return the employee city which has least number of characters

☒

It will return the employee city which has the least value based on the database character set

☐

It will return the employee city which has most number of characters

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Quiz

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9. Predict the output of the following query:  
SELECT DeptNo, SUM(Sal)  
FROM Emp  
Where sum(sal)>5000  
GROUP BY DeptNo;

✖

Error as having condition has to be based on some column that appears in the group by list

Feedback:

restrictions on the group should be specified in the having clause

It will return the deptno and the sum of the salaries for each dept

No rows selected

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Error as where clause cannot be used to restrict groups

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10. Which of the following group functions does not ignore null in a column

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Sum

Feedback:

All group functions ignores null in the column

min

max

✔

None

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