

O-LEVEL CHEMISTRY

INTRODUCTION TO CHEMISTRY

Chemistry is a branch of science that deals with the study of structure, composition and properties of matter. Chemistry as an experimental subject relies on:

- Careful handling of apparatus
- Carrying out chemical tests or chemical analysis
- Making critical observation
- Critical reporting of observations
- Drawing appropriate conclusions from observations

Chemistry as a practical science tries to answer the following question.

What are materials made up of?

How is matter formed?

How does matter behave?

Why does matter behave the way it does?

There are quite a number of branches of chemistry such as Organic chemistry, Physical chemistry, Inorganic Chemistry and Analytical chemistry.

Importance of chemistry

- The knowledge of chemistry makes us to understand the properties of substances and handle these substances with great care. Some may be poisonous, corrosive, toxic etc.
- Makes us to understand how to extract substances from the earth and use them e.g. gold, copper etc.
- Chemistry knowledge opens up way to science professional courses such as medicine, education and pharmacy.
- The knowledge of chemistry makes us to know the effects of chemicals on the environment and subsequently puts us in position to protect our environment.
- Broad knowledge in chemistry puts us in better positions to contribute towards more advancement in science and technology for better and quality human life.
- The knowledge of chemistry is relevant in many ways such as making of food supplements, distillation of fuel, making of plastics, making cosmetics and dental creams, manufacture of soap and detergents, making insecticides and herbicides.etc.

LABORATORY

A laboratory is a special place with special equipments where scientific investigations or experiments are carried out. The laboratory is a place of adventure and discovery; in fact some of the most exciting events in the history of science have taken place in laboratories e.g. the discovery of oxygen.

When experiments are carried out in the laboratory, chemical materials and are used.

Chemicals are substances usually in solid or liquid forms that are consumed during reactions. They get used up in reactions during the course of an experiment. E.g. Sodium hydroxide and Hydrochloric acid.

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K Morrison



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use the optional order by in a select statement of a soql query to control the order of the query results such as alphabetically beginning with z if records are null you can use order by to display the empty records first or last

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order by 1 means order by the first field i selected i e in this case the same as order by playerno because playerno was the first field in the list in case you want the official wording here s what the sql 92 standard 1 says

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when processing the selectstatement that has an order byclause the order byclause is the very last clause to be processed sql server order byclause example we will use the customerstable in the sample databasefrom the demonstration a sort a result set by one column in ascending order

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oct 12 2023 in sql the order by clause is used to sort the rows in a table based on one or more columns it allows you to arrange your data in ascending a z 1 10 or descending z a 10 1 order according to specific criteria after the order by clause you typically specify the column by which you want to sort the data

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i am using mysql and i want to sort results using order by to one specific column but the results must be ordered according an specific criteria to this column for example to the following table i want to order by group showing first the

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the order by function statement not only works for aggregated data it can also define the order of all rows in a table if you want to play around with this you can go back to some of the queries you wrote earlier exercise 9 find the total revenue for each order and order it from largest to smallest

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sep 27 2022 order by get to know the sql order by clause our practical and easy examples will help you understand its syntax common uses and best practices sql or structured query language lets you talk to a database

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jul 25 2014 as mentioned in other answers order by 1 orders by the first column i came across another example of where you might use it though we have certain queries which need to be ordered select the same column you would get a sql error if ordering by name in the below select name name from segment order by 1

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sql order by kullanımı order by ifadesi kayıtları belirtilen alanda büyükten küçüğe veya küçükten büyüğe göre sıralar asc ascending parametresi ile küçükten büyüğe desc descending parametresi ile büyükten küçüğe göre sıralar burada sadece sayısal alanlar değil metinsel alanlarda alfabetik olarak

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oct 8 2015 select a row number over order by select null from mytable a sql server does not permit constant values in order by either in a window function or in the order by clause the select null subquery is a way around this normally an integer expression in an order by is an index referring to

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as mentioned in other answers order by 1 orders by the first column i came across another example of where you might use it though we have certain queries which need to be ordered select the same column

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an order by clause in sql specifies that a sql select statement returns a result set with the rows being sorted by the values of

one or more columns the sort criteria does not have to be included in the result set restrictions apply for select distinct group by union distinct except distinct and intersect distinct the sort criteria can be

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Jul 20 2019 order by 1 2 3 4 stands for order by column1 column2 column3 column4 from your query selection positions of columns so if your selection id like below select col1 col3 col4 col2 from table order by 1 2 3 4 here order by 1 2 3 4 means order by col1 col3 col4 col2

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the order by command is used to sort the result set in ascending or descending order the order by command sorts the result set in ascending order by default to sort the records in descending order use the desc keyword the following sql statement selects all the columns from the customers table sorted by the customername column

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Jan 7 2020 you can't access a column name by position in the order by for an analytical window function order by 1 means sort the result by the numeric value 1 so it sorts by a constant not the value of a column it's essentially the

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Feb 9 2021 order by when analyzing data it often helps to have rows ordered in a specific way in this article I'll use multiple examples to show how sql order by sorts data according to one or more columns in ascending or descending order

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May 4 2017 this gives me just one row the first one select bla from bla where bla and rownum 2 however I want the most recent date val I can make that the first row this way select bla from bla where bla order by finaldate desc

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Sep 25 2022 what is sql order by 1 order by 1 means that the results of the query are ordered by the first column specified in the select clause you might see an sql query that has order by 1 in it select salesperson id first name

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Jan 24 2021 3 answers in the group by clause the 1 is a number literal value in the order by clause the 1 refers to the the first term of the select clause select from select count from employee group by 1 a number literal

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Jan 14 2019 by jeremy kadlec overview let's bring the where and order by concepts together in this tutorial explanation in the example below we are selecting the loginid column from the humanresources employee table where the vacationhours column equals 8 and we are ordering the data by the hiredate in ascending order which is implied

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