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 **ahmed khalifa**
ahm7dkhalifa@gmail.com

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Difference between Simple and Complex View

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Prerequisite – [SQL | Views](#)

A **View** in SQL is a logical subset of data from one or more tables. Views are used to restrict data access. A View contains no data of its own but is like a window through which data from tables can be viewed or changed. The tables on which a View is based are called BASE Tables.

There are 2 types of Views in SQL: Simple View and Complex View. **Simple views** can only contain a single base table. **Complex views** can be constructed on more than one base table. In particular, complex views can contain: join conditions, a group by clause, an order by clause.

The key differences between these types of Views are:

Simple View

Contains only one single base table or is created from only one table.

We cannot use group functions like MAX(), COUNT(), etc.

Complex View

Contains more than one base tables or is created from more than one tables.

We can use group functions.

Does not contain groups of data.

DML operations could be performed through a simple view.

INSERT, DELETE and UPDATE are directly possible on a simple view.

Simple view does not contain group by, distinct, pseudocolumn like rownum, columns defined by expressions.

Does not include NOT NULL columns from base tables.

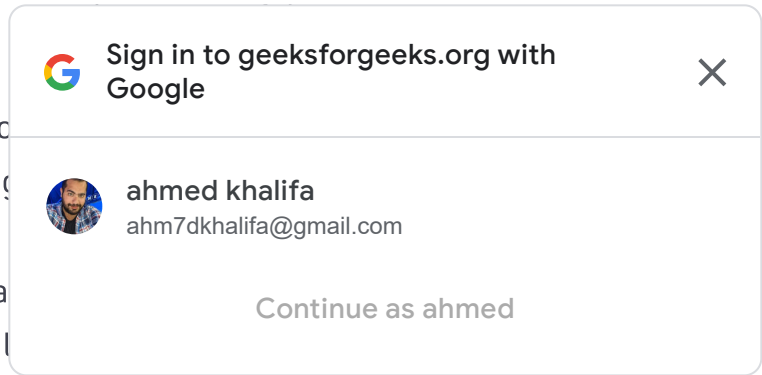
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It can contain group by, distinct, pseudocolumn like rownum, columns defined by expressions.

NOT NULL columns that are not selected by simple view can be included in complex view.

Reference -

[View - orafaq](#)



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