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Oracle APEX





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Chi Siamo

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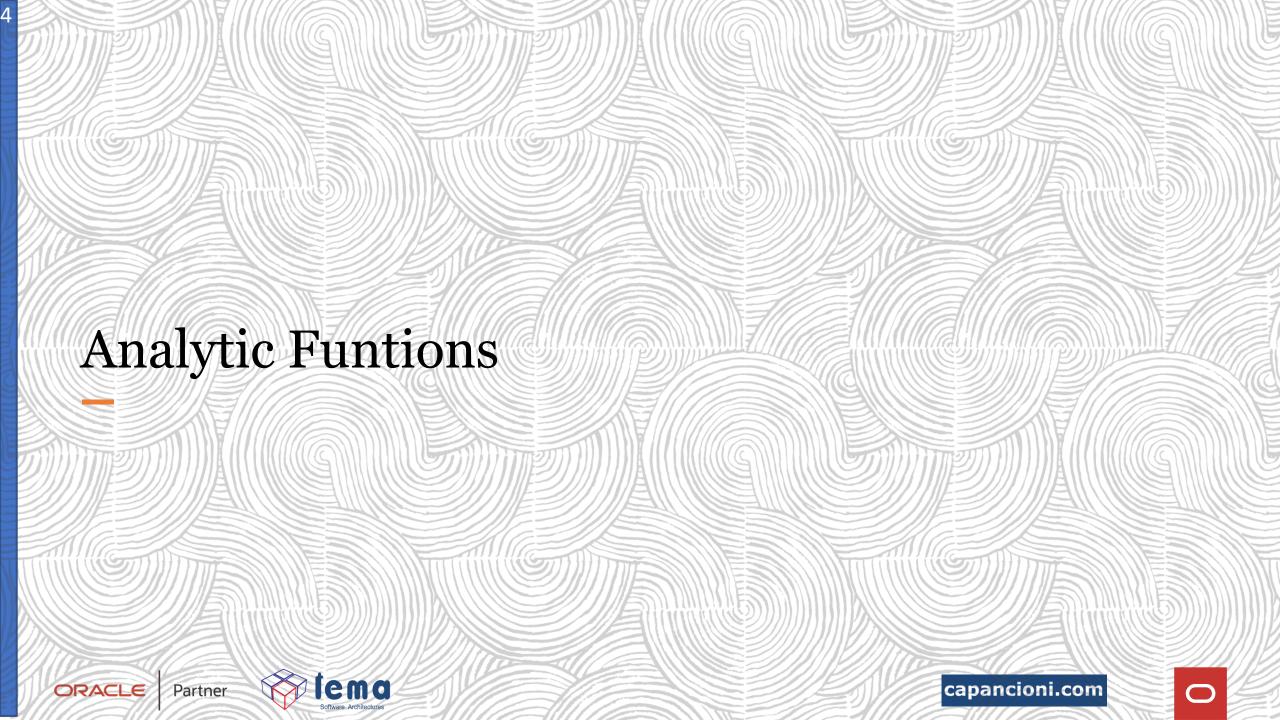


Chi Siamo

- Dott.ssa Nicoletta Bindi
- in Tema dal 2001
- Analista sviluppatrice java e web
- Apex dal 2020







Carburante

DIFFERENZA TRA KM PROGRESSIVI SUCCESSIVI E CORRENTI

Targa	Data	Litri	Km Progr	Km
AA 100 BB	01/01/2023	45	0	662
AA 100 BB	08/01/2023	40	662	601
4A 100 BB	15/01/2023	49	1263	768
AA 100 BB	22/01/2023	45	2031	763
AA 100 BB	29/01/2023	48	2794	737
4A 100 BB	05/02/2023	46	3531	706
AA 100 BB	12/02/2023	48	4237	



Lead()

OVER denota una funzione analitica

from d11_carburante
order by targa,data

TARGA	DATA	LITRI	KM_PROGR	KM_PROGR_SUCCESSIVI
AA 100 BB	01/01/2023	45	0	662
AA 100 BB	08/01/2023	40	662	1263
AA 100 BB	15/01/2023	49	1263	2031
AA 100 BB	22/01/2023	45	2031	2794
AA 100 BB	29/01/2023	48	2794	3531
AA 100 BB	05/02/2023	46	3531	4237
AA 100 BB	12/02/2023	48	4237	4997
AA 100 BB	19/02/2023	45	4997	5652
AA 100 BB	26/02/2023	47	5652	6373
AA 100 BB	05/03/2023	41	6373	6989
AA 100 BB	12/03/2023	45	6989	-
BB 200 CC	01/01/2023	45	0	741





Lag()

TARGA	DATA	LITRI	KM_PROGR	KM_PROGR_PRECEDENTI	KM_PROGR_SUCCESSIVI
AA 100 BB	01/01/2023	45	0	-	662
AA 100 BB	08/01/2023	40	662	0	1263
AA 100 BB	15/01/2023	49	1263	662	2031
AA 100 BB	22/01/2023	45	2031	1263	2794
AA 100 BB	29/01/2023	48	2794	2031	3531
AA 100 BB	05/02/2023	46	3531	2794	4237
AA 100 BB	12/02/2023	48	4237	3531	4997
AA 100 BB	19/02/2023	45	4997	4237	5652
AA 100 BB	26/02/2023	47	5652	4997	6373
AA 100 BB	05/03/2023	41	6373	5652	6989
AA 100 BB	12/03/2023	45	6989	6373	-
BB 200 CC	01/01/2023	45	0	_	741





Lag()

TARGA	DATA	LITRI	KM_PROGR	KM_PROGR_PRECEDENTI	KM_PROGR_SUCCESSIVI
AA 100 BB	01/01/2023	45	0	-	662
AA 100 BB	08/01/2023	40	662	0	1263
AA 100 BB	15/01/2023	49	1263	662	2031
AA 100 BB	22/01/2023	45	2031	1263	2794
AA 100 BB	29/01/2023	48	2794	2031	3531
AA 100 BB	05/02/2023	46	3531	2794	4237
AA 100 BB	12/02/2023	48	4237	3531	4997
AA 100 BB	19/02/2023	45	4997	4237	5652
AA 100 BB	26/02/2023	47	5652	4997	6373
AA 100 BB	05/03/2023	41	6373	5652	6989
AA 100 BB	12/03/2023	45	6989	6373	-
BB 200 CC	01/01/2023	45	0	_	741





Lag()

```
with carburante as (
              select targa,
                      data,
                      litri,
                      km progr,
                      lead(km progr) over(partition by targa
                                               order by data ) km progr_successivi
                from d11 carburante
  select targa,
         data,
         litri,
         km progr,
         km progr successivi - km progr km,
         case
             when litri<>0
             then round(nvl(km_progr_successivi - km_progr,0) /litri,2)
             else 0
         end km medi litro
    from carburante
order by targa, data
  ORACLE
                                                                   capancioni.com
          Partner
```

Rank() e Dense_rank()

```
with carburante as (
    select targa,
           data,
           litri,
           km progr,
           rank() over(partition by targa
                            order by data,km_progr,id ) rank,
           dense rank() over(partition by targa
                                  order by data,km progr,id ) dense_rank
      from d11 carburante)
   select *
     from carburante
    where rank = 1
 order by targa, rank
```



Ratio_to_report()

TARGA	DATA	LITRI	PERC_LITRI_SU_TOTALE	PERC_LITRI_SU_TARGA	KM_PROGR
AA 100 BB	22/01/2023	48	,0325203252032520325203252032520325	,096192384769539078156312625250501002004	2794
AA 100 BB	15/01/2023	45	,0304878048780487804878048780487805	,090180360721442885771543086172344689379	2031
AA 100 BB	08/01/2023	49	,03319783197831978319783197832	,098196392785571142284569138276553106212	1263
AA 100 BB	01/01/2023	40	,027100271002710027100271002710027100271	,080160320641282565130260521042084168337	662
AA 100 BB	01/01/2023	45	,0304878048780487804878048780487805	,090180360721442885771543086172344689379	0
AA 100 BB	05/03/2023	45	,0304878048780487804878048780487805	,090180360721442885771543086172344689379	6989
AA 100 BB	05/02/2023	48	,0325203252032520325203252032520325	,096192384769539078156312625250501002004	4237
AA 100 BB	12/02/2023	45	,0304878048780487804878048780487805	,090180360721442885771543086172344689379	4997
AA 100 BB	19/02/2023	47	,0318428184281842818428184281842818	,094188376753507014028056112224448897796	5652
AA 100 BB	26/02/2023	41	,027777777777777777777777777777777777	,082164328657314629258517034068136272545	6373
AA 100 BB	29/01/2023	46	,0311653116531165311653116531165312	,092184368737474949899799599198396793587	3531
BB 200 CC	29/01/2023	46	,0311653116531165311653116531165312	,0934959349593495934959349593495935	3008





Ratio_to_report()

TARGA	DATA	LITRI	PERC_LITRI_SU_TOTALE	PERC_LITRI_SU_TARGA	KM_PROGR
AA 100 BB	22/01/2023	48	3,25	9,62	2794
AA 100 BB	15/01/2023	45	3,05	9,02	2031
AA 100 BB	08/01/2023	49	3,32	9,82	1263
AA 100 BB	01/01/2023	40	2,71	8,02	662
AA 100 BB	01/01/2023	45	3,05	9,02	0
AA 100 BB	05/03/2023	45	3,05	9,02	6989
AA 100 BB	05/02/2023	48	3,25	9,62	4237
AA 100 BB	12/02/2023	45	3,05	9,02	4997
AA 100 BB	19/02/2023	47	3,18	9,42	5652
AA 100 BB	26/02/2023	41	2,78	8,22	6373
AA 100 BB	29/01/2023	46	3,12	9,22	3531
BB 200 CC	29/01/2023	46	3,12	9,35	3008





Ratio_to_report()

```
select targa,
       data,
       litri,
       sum(litri) over(partition by targa) litri totali,
       sum(litri) over(partition by targa order by data) litri_totali_progr,
       sum(litri) over(partition by targa order by data,id
                                       rows between unbounded preceding
                                                and current row) litri totali progr2,
       sum(litri) over(partition by targa order by data range
                                       rows between unbounded preceding
                                                and current row) litri totali progr3
    from d11 carburante
order by targa, data, id
```





Grouping Sets

```
create or replace view d08 vendita vw as
select v.id,
     v.cliente id,
     c.cliente,
     c.zona,
     v.prodotto id,
     p.prodotto,
     p.tipo prodotto id,
     tp.tipo prodotto,
     v.data,
     v.quantita,
     v.quantita * p.prezzo vendita valore
 from d08 vendita v
 = p.id
 join d08 tipo prodotto tp on p.tipo prodotto id = tp.id
```

