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Oracle APEX Developing Database Web Applications

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Chi Siamo

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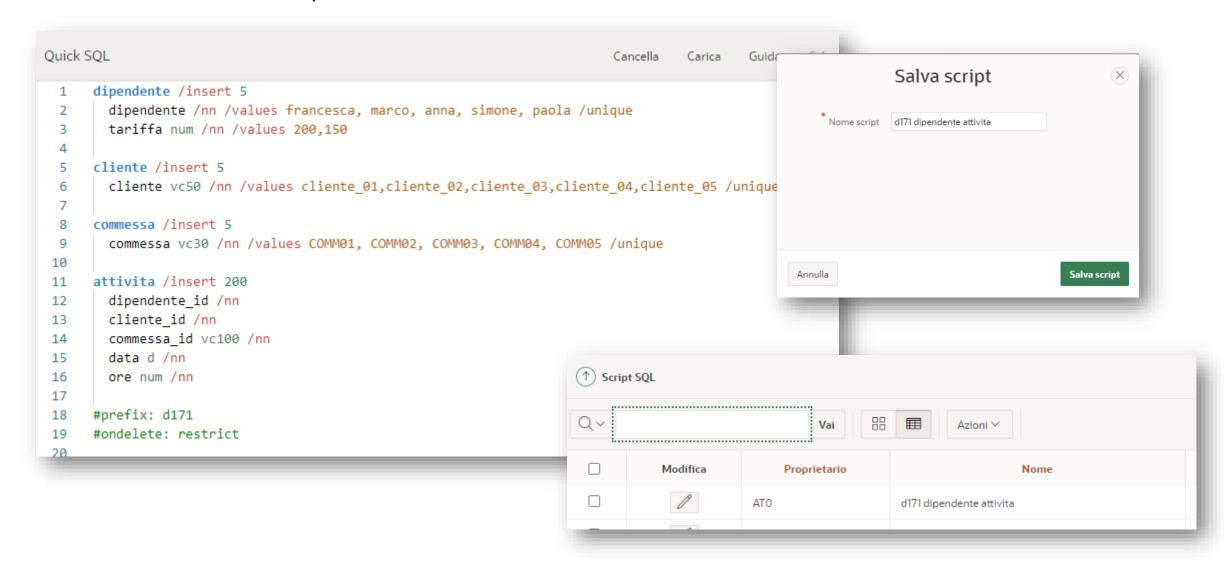


Chi Siamo

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

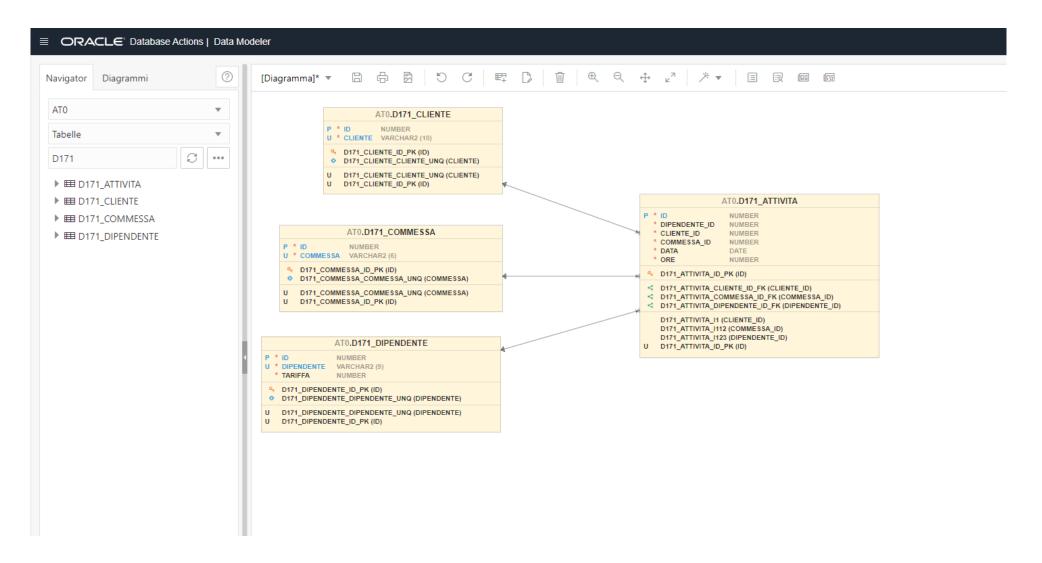






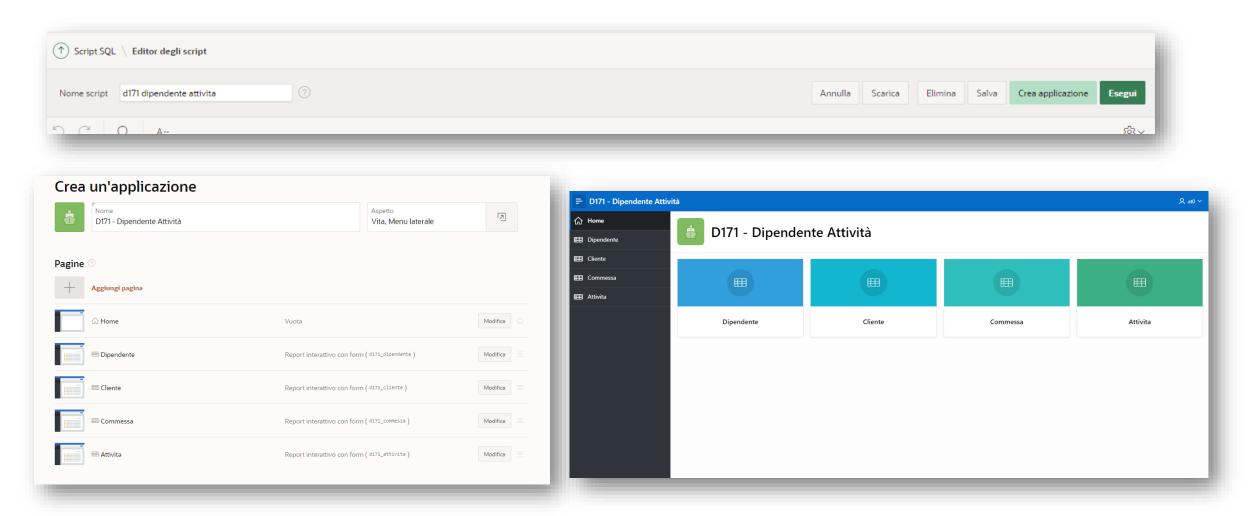
















```
select
    a.id,
     a.dipendente id,
    d.dipendente,
    d.tariffa,
     a.cliente id,
    c.cliente,
     a.commessa id,
    m.commessa,
    a.data,
    a.ore,
    d.tariffa * a.ore importo
 from d05 attivita a
 join d05_dipendente d on a.dipendente_id = d.id
```



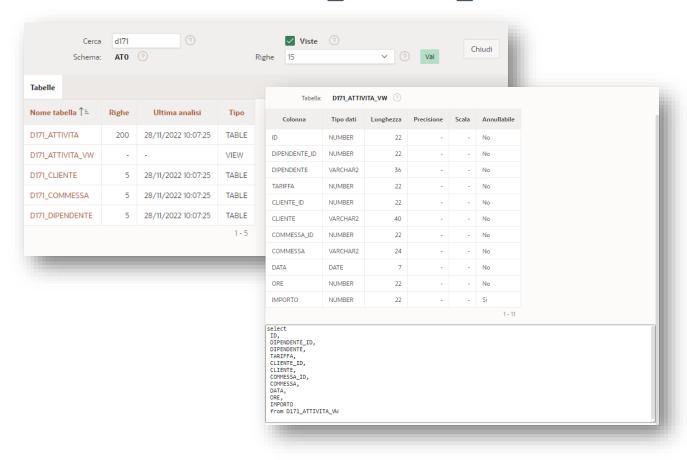


```
create or replace view d05 attivita vw as
select
     a.id,
     a.dipendente id,
     d.dipendente,
     d.tariffa,
     a.cliente id,
     c.cliente,
     a.commessa id,
     m.commessa,
     a.data,
     a.ore,
     d.tariffa * a.ore importo
 from d05 attivita a
 join d05 dipendente d on a.dipendente id = d.id
```





select * from d05_attivita_vw



select

```
dipendente,
  tariffa,
  cliente,
  commessa,
  data,
  ore,
  importo
from d05_attivita_vw
```



```
dipendente,
tariffa,
cliente,
commessa,
data,
ore,
importo
from d05_attivita_vw
```

```
select
         sum(ore) tot ore,
         sum(importo)importo
   from d05 attivita vw
  select dipendente,
         sum(ore) tot ore,
         sum(importo)importo
    from d05 attivita vw
group by dipendente
  select dipendente,
         cliente,
```

Nessun Raggruppamento

1 Raggruppamento

select dipendente,
cliente,
sum(ore) tot_ore,
sum(importo)importo
from d05_attivita_vw
group by dipendente,
cliente

2 Raggruppamenti





```
data,
    to_char(data,'YYYY') anno,
    to_char(data,'MM') mese,
    to_char(data,'MONTH') mese_desc,
    to_char(data,'YYYY-MM') annomese,
    to_char(data,'Q') trimestre,
    to_char(data,'YYYY-Q') annotrimestre

from d05_attivita_vw
```

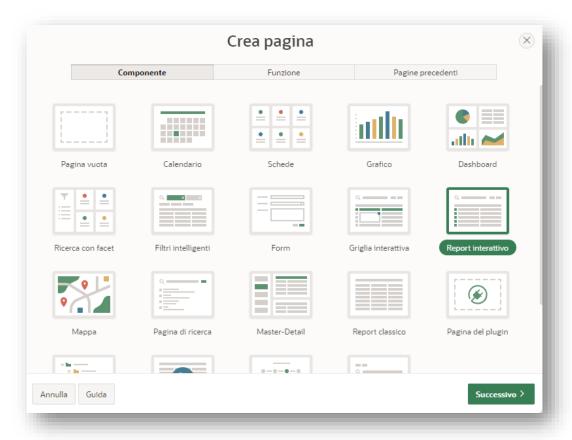


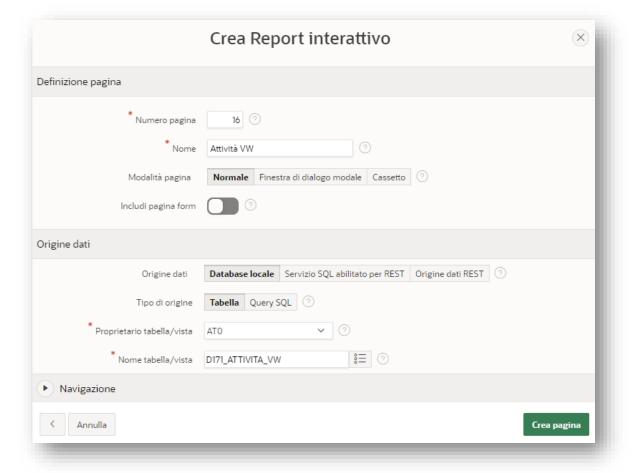


```
select to char(data,'YYYY')anno,
         sum(ore) tot ore,
         sum(importo)importo
    from d05 attivita vw
group by to_char(data,'YYYY')
                                    L'alias nel GROUP BY non si ripete
  select to char(data,'YYYY-MM')annomese,
          cliente,
          sum(ore) tot_ore,
          sum (importo) importo
    from d05_attivita_vw
group by to char (data, 'YYYY-MM'),
          cliente
```



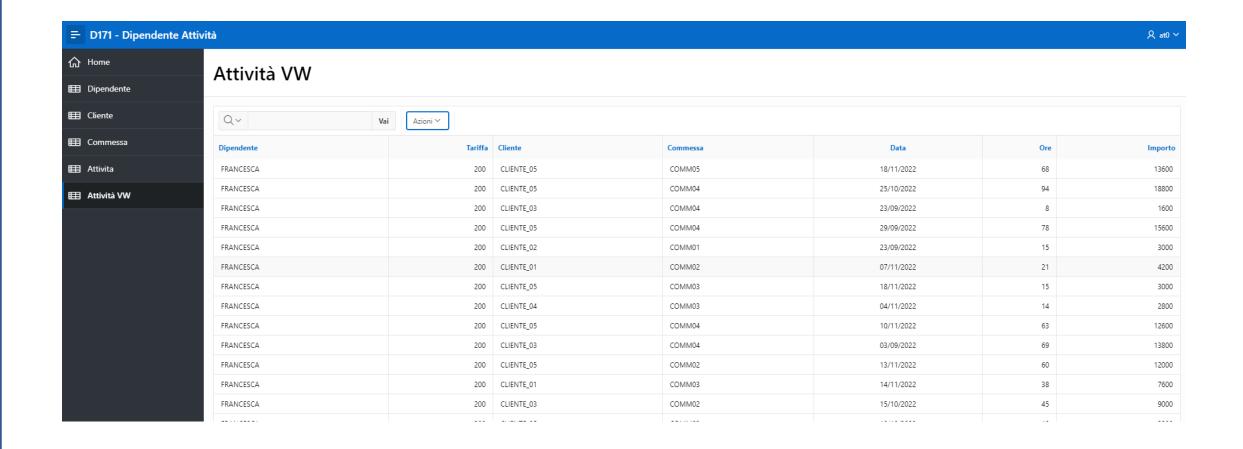






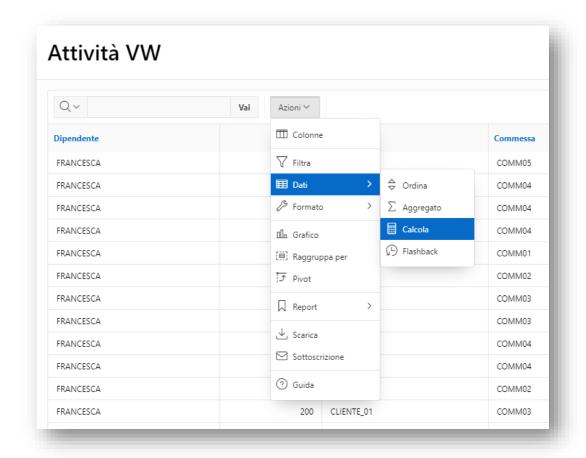


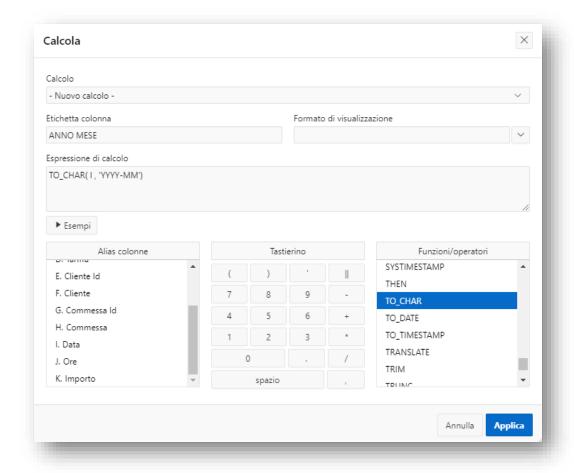






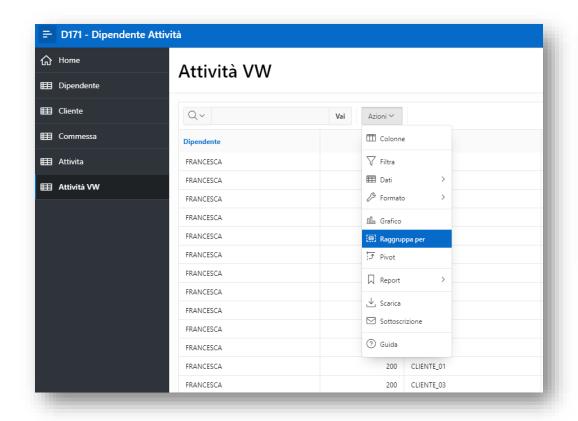


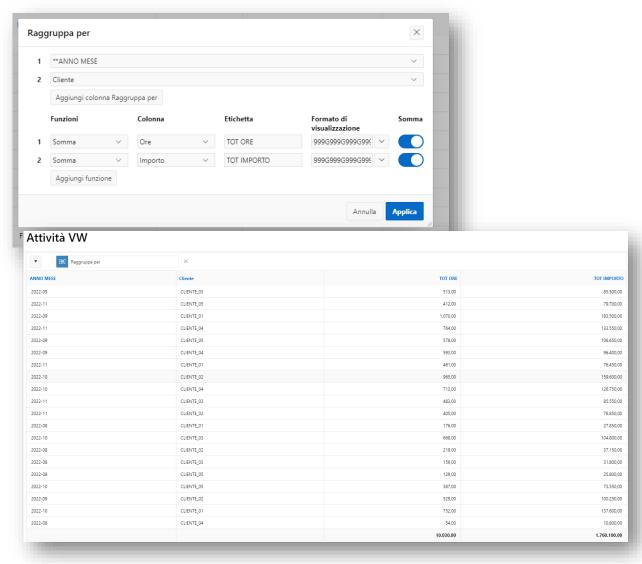








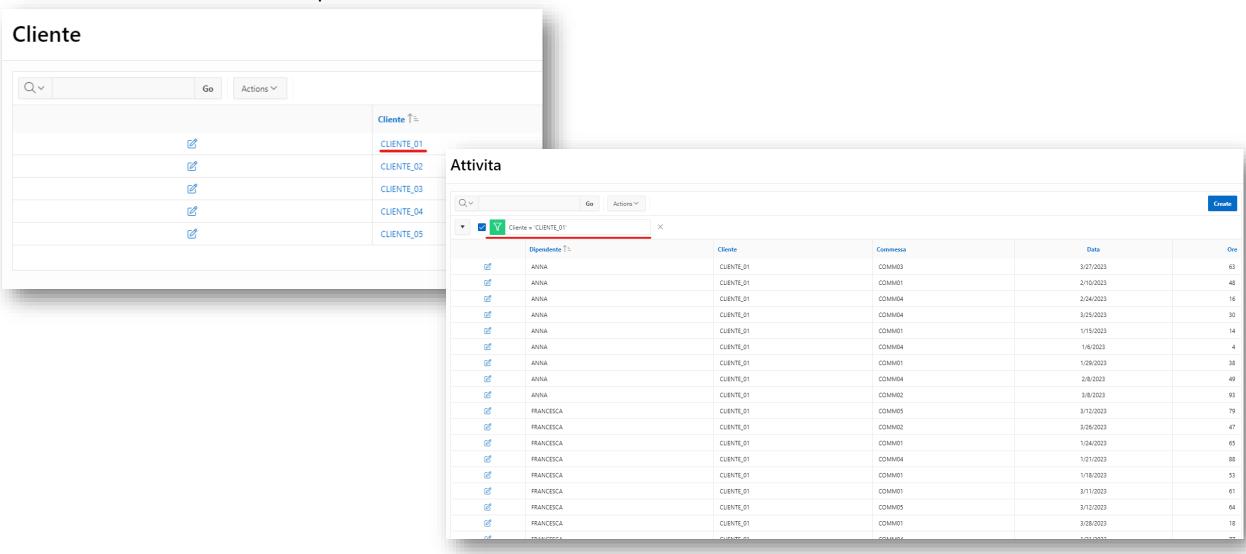






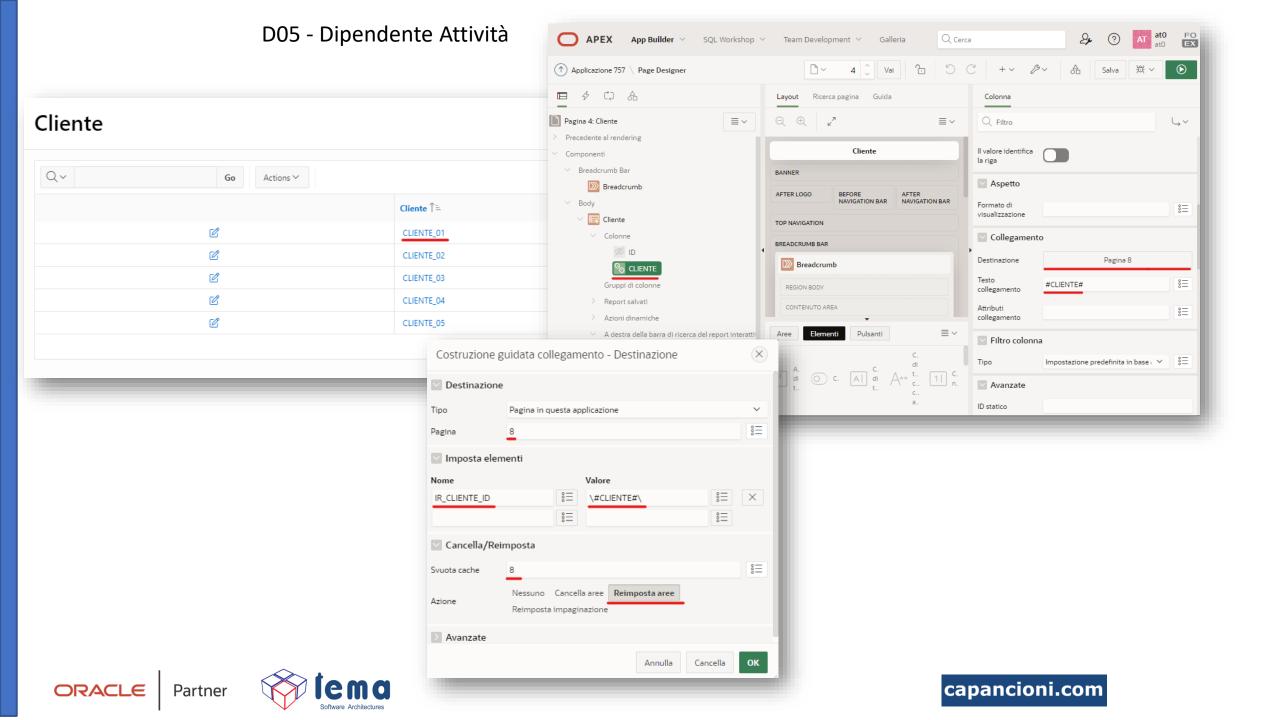












| IR[emp]EQ_NAME | IREQ_CITY | | | | |
|---|-------------------------------|---------------------------------|-----------------------------|-------------------------------|--------------------------------------|
| Function | Meaning | | CR (CIR) | RR (RIR) | RP |
| IREQ_ <column_name></column_name> | Equals | Main Function | | | Resets interactive report pagination |
| IR_ <column_name></column_name> | Same as IREQ | Maintains: | | · · | 1 |
| LT_ <column_name></column_name> | Less than | | YES* | NO | |
| IRLTE_ <column_name></column_name> | Less than or equal to | - Primary Report | NO | YES | |
| IRGT_ <column_name></column_name> | Greater then | – Filters | NO | NO | |
| IRGTE_ <column_name></column_name> | Greater then or equal to | - Breakpoints | NO | NO | |
| IRLIKE_ <column_name></column_name> | Like operator | - Pagination | NO | NO | |
| IRN_ <column_name></column_name> | Is Null | – Sort | YES | NO | |
| IRNN_ <column_name></column_name> | Is not Null | – Highlight | NO | NO | |
| IRC_ <column_name></column_name> | Contains | Computation | NO | NO | |
| IRNC_ <column_name></column_name> | Not Contains | – Aggregate | NO | NO | |
| | | – Chart | NO | NO | |
| | | - Group by | NO | NO | |
| | | | | the columns displayed are | |
| | | still the columns of | | ripped'. But if you alter the | |
| C = Contains | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| C = Contains EQ = Equals (this is the default) | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) GTE = Greater than or equal to | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) GTE = Greater than or equal to GT = Greater Than | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) GTE = Greater than or equal to GT = Greater Than LIKE = SQL Like operator | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) GTE = Greater than or equal to GT = Greater Than LIKE = SQL Like operator LT = Less than | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) GTE = Greater than or equal to GT = Greater Than LIKE = SQL Like operator LT = Less than LTE = Less than or equal to | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) GTE = Greater than or equal to GT = Greater Than LIKE = SQL Like operator LT = Less than LTE = Less than or equal to N = Null | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) GTE = Greater than or equal to GT = Greater Than LIKE = SQL Like operator LT = Less than LTE = Less than or equal to N = Null NC = Not Contains | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) GTE = Greater than or equal to GT = Greater Than LIKE = SQL Like operator LT = Less than LTE = Less than or equal to N = Null NC = Not Contains NEQ = Not Equals NLIKE = Not Like NN = Not Null | | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |
| EQ = Equals (this is the default) GTE = Greater than or equal to GT = Greater Than LIKE = SQL Like operator LT = Less than LTE = Less than or equal to N = Null NC = Not Contains NEQ = Not Equals NLIKE = Not Like | a separated values with a lea | still the columns of | the primary report, but 'st | ripped'. But if you alter the | |





| IG[emp]EQ_NAME | IGEQ_CITY | | | | | | | |
|-------------------------------------|---|----------------------|--|---------------------------|---------------------------------------|--|--|--|
| Function | Meaning | | CR | RR | RP | | | |
| IGEQ_ <column_name></column_name> | Equals | Main Function | | | Resets interactive report pagination | | | |
| IG_ <column_name></column_name> | Same as IREQ | Maintains: | cicaro interactive nepore | nesets interded to hepore | l l l l l l l l l l l l l l l l l l l | | | |
| LT_ <column_name></column_name> | Less than | – Column visibility | VFS* | NO | | | | |
| IGLTE_ <column_name></column_name> | Less than or equal to | | NO | YES | | | | |
| IGGT_ <column_name></column_name> | Greater then | – Filters | NO | NO | | | | |
| IGGTE_ <column_name></column_name> | Greater then or equal to | - Breakpoints | NO | NO | | | | |
| IGLIKE_ <column_name></column_name> | Like operator | - Pagination | NO | NO | | | | |
| IGN_ <column_name></column_name> | Is Null | - Sort | YES | NO | | | | |
| IGNN_ <column_name></column_name> | Is not Null | - Highlight | NO | NO | | | | |
| IGC_ <column_name></column_name> | Contains | - Computation | NO | NO | | | | |
| IGNC_ <column_name></column_name> | Not Contains | - Aggregate | NO | NO | | | | |
| | | - Chart | NO | NO | | | | |
| | | - Group by | NO | NO | | | | |
| | | * Please note that v | * Please note that when a CIR has been given, the columns displayed are | | | | | |
| | | | still the columns of the primary report, but 'stripped'. But if you alter the shown columns as a user it will display these columns. | | | | | |
| C = Contains | | | | | | | | |
| EQ = Equals (this is the default) | | | | | | | | |
| GTE = Greater than or equal to | | | | | | | | |
| GT = Greater Than | | | | | | | | |
| LIKE = SQL Like operator | | | | | | | | |
| T = Less than | | | | | | | | |
| LTE = Less than or equal to | | | | | | | | |
| N = Null | | | | | | | | |
| NC = Not Contains | | | | | | | | |
| NEQ = Not Equals | | | | | | | | |
| NLIKE = Not Like | | | | | | | | |
| NN = Not Null | | | | | | | | |
| NIN = Not In (escape the comma s | eparated values with a leading and trailing back | slash, \) | | | | | | |
| | ted values with a leading and trailing backslash, | 11 | | | | | | |







- Report Classico
- Report Interattivo
- Griglia Interattiva
- Schede
- Email templates

- Direttiva IF
 - Mostra o meno il testo in base al valore di un elemento o colonna
- Direttiva CASE WHEN
 - Mostra o meno il testo in base a più condizioni sul valore di un elemento o colonna.
- Direttiva LOOP
 - Usa un loop per ripetere il testo per ogni element o Colonna di tipo multivalore (con un separatore di carattere)



```
[!] E' una negazione

{if [!]NAME/}
    testo1
{elseif [!]NAME2/}
    testo2
{else/}
    altro testo
{endif/}
```

```
{if DESCRIPTION/}
     &DESCRIPTION.
{else/}
     Nessuna Descrizione
{endif/}
```

&DESCRIPTION. o **#DESCRIPTION#** In base all'area



```
{case NAME/}
{when valore1/}
  testo1
{when valore2/}
  testo2
{otherwise/}
  altro testo
{endcase/}
```

```
{case JOB/}
{when SALESMAN/}
   &SAL. (&COMM.)
{when PRESIDENT/}
   --
{otherwise/}
   &SAL.
{endcase/}
```



```
{loop ["SEP"] NAME/}
  testo
{endloop/}
```

```
   {loop "," TAGS/}
      &APEX$I. - &APEX$ITEM.
   {endloop/}
```

- APEX\$ITEM
 - Valore dell'element corrente nella lista
- APEX\$I
 - Posizione dell'element corrente nella lista

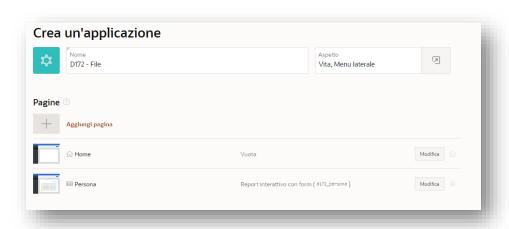


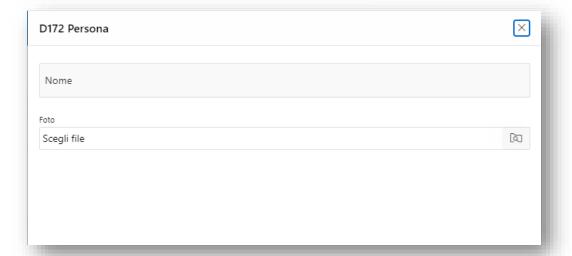


```
Quick SQL

1 persona
2 nome vc20
3 foto file
4
5 #prefix:d172
```

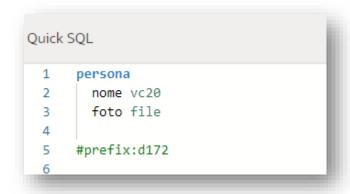
```
SQL
                                                                                Scarica
                                                                                          Salva scrip
                                                                     Impostazioni
      -- create tables
      create table d172_persona (
                                         number generated by default on null as identity
                                         constraint d172_persona_id_pk primary key,
                                         varchar2(20 char),
          foto
                                         blob,
          foto_filename
                                         varchar2(512 char),
          foto_mimetype
                                         varchar2(512 char),
          foto_charset
                                         varchar2(512 char),
 10
          foto_lastupd
                                         date
 11
 12
 13
```

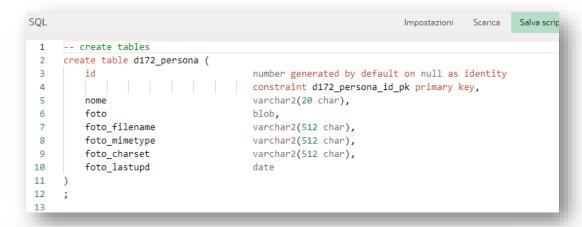


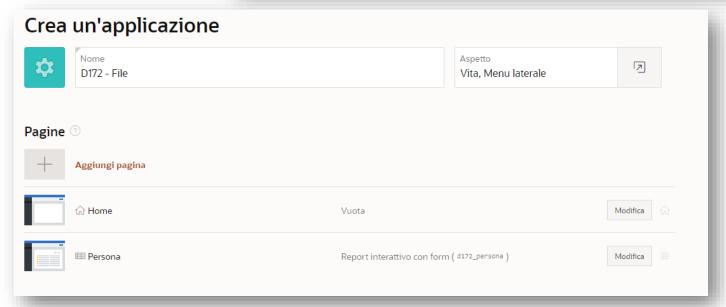






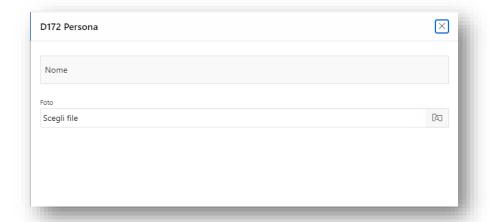


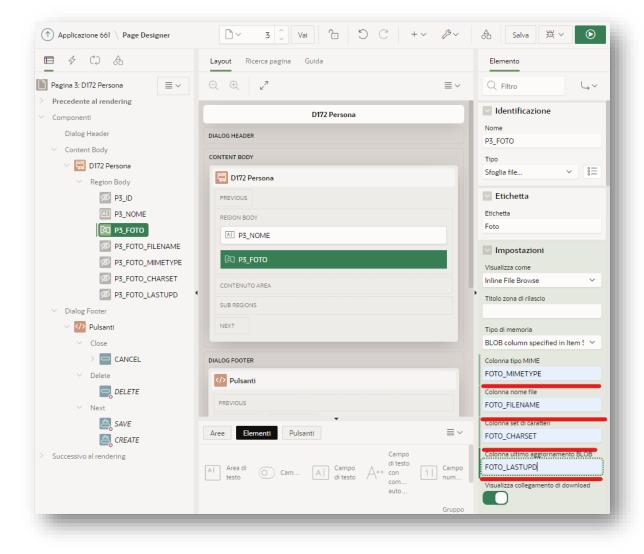
















```
select "ID",
    "NOME",
    sys.dbms_lob.getlength("FOTO")"FOTO",
    "FOTO_FILENAME",
    "FOTO_MIMETYPE",
    "FOTO_CHARSET",
    "FOTO_LASTUPD"
    from "D05_PERSONA"
```

