ORACLE

Num	Martedi	Num	Mercoledi	Num	Giovedi
1	24/06/2025			2	26/06/2025
		3	02/07/2025	4	03/07/2025
5	08/07/2025			6	10/07/2025
7	15/07/2025			8	17/07/2025
9	22/07/2025			10	24/07/2025

Posti limitati – Iscriviti ora!
sviluppo@capancioni.com

Lezione 8 - 17 Luglio 2025

Ing. Roberto Capancioni

Chi Sono

Ing. Roberto Capancioni

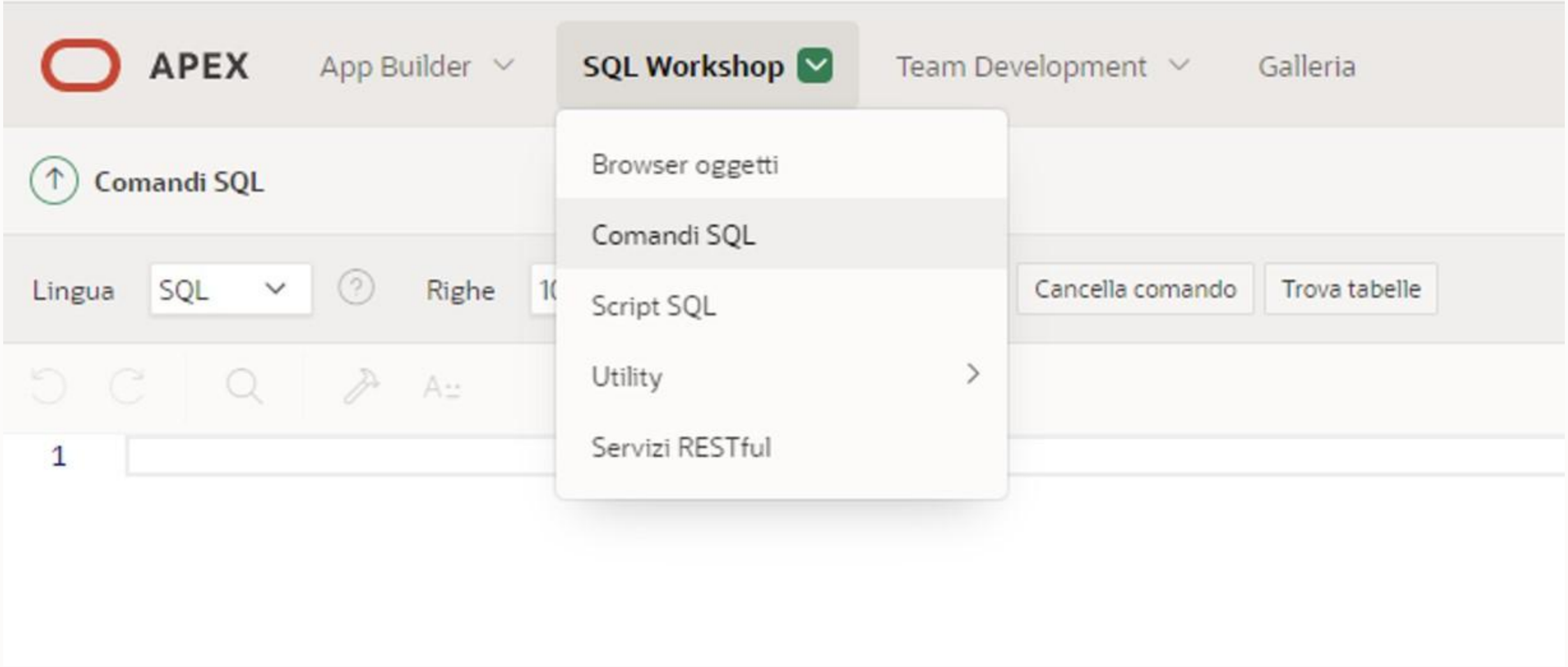
– Trainer Oracle Academy

capancioni.com

Email: sviluppo@capancioni.com
Linkedin: https://www.linkedin.com/in/robertocapancioni

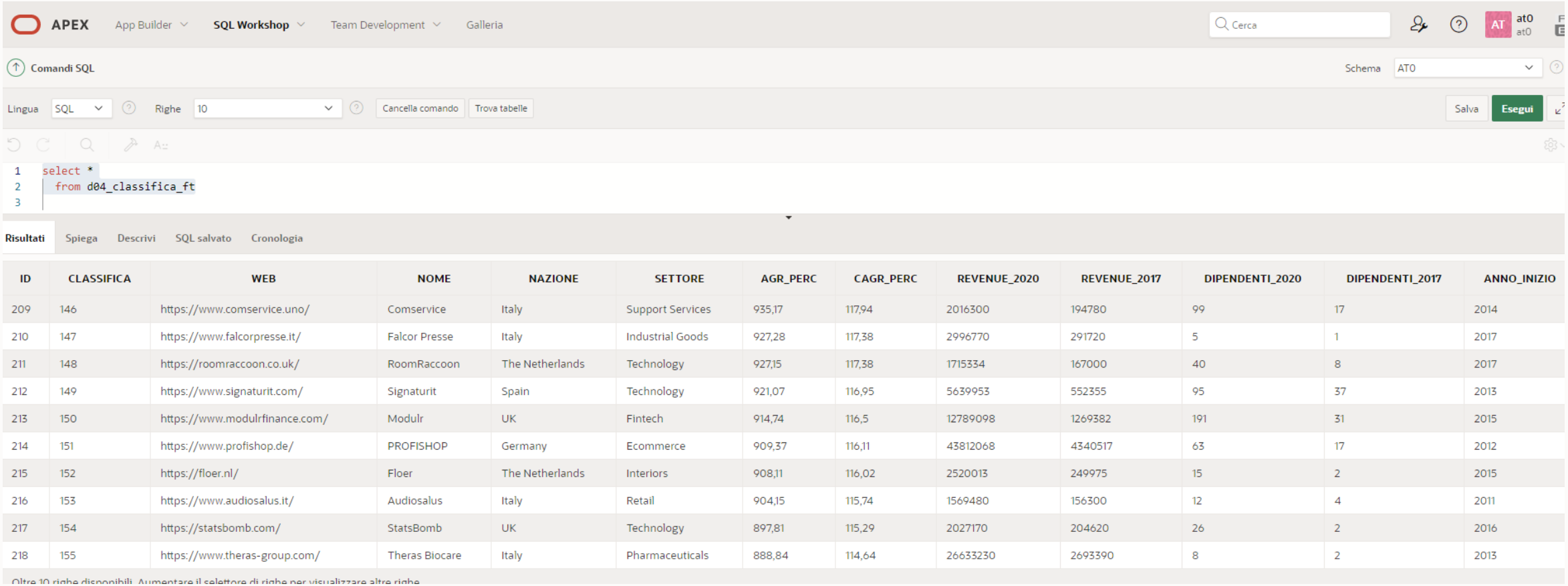
Comandi SQL

SQL Workshop – Comandi SQL



SQL Workshop – Comandi SQL

```
select *
  from d08_classifica_ft
```

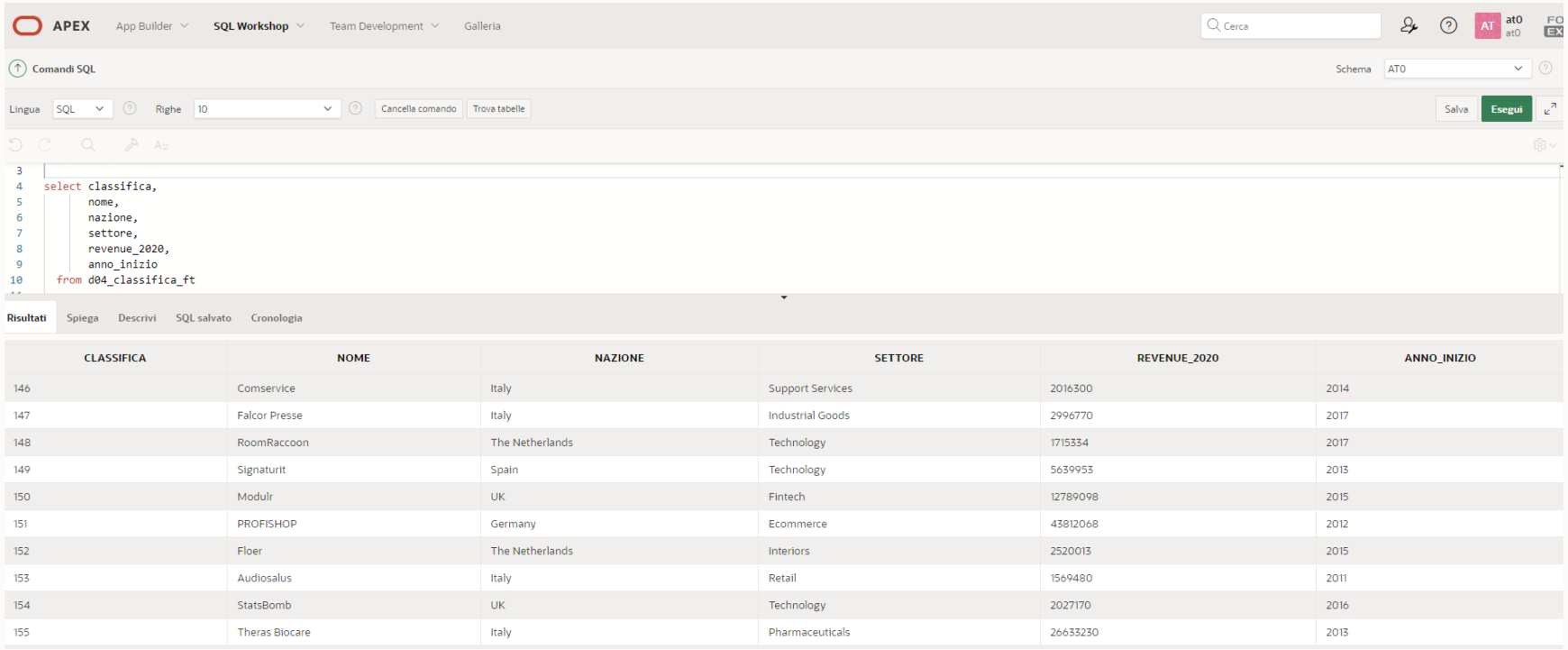


ID	CLASSIFICA	WEB	NOME	NAZIONE	SETTORE	AGR_PERC	CAGR_PERC	REVENUE_2020	REVENUE_2017	DIPENDENTI_2020	DIPENDENTI_2017	ANNO_INIZIO
209	146	https://www.comservice.uno/	Comservice	Italy	Support Services	935,17	117,94	2016300	194780	99	17	2014
210	147	https://www.falcorpresse.it/	Falcor Presse	Italy	Industrial Goods	927,28	117,38	2996770	291720	5	1	2017
211	148	https://roomraccoon.co.uk/	RoomRaccoon	The Netherlands	Technology	927,15	117,38	1715334	167000	40	8	2017
212	149	https://www.signaturit.com/	Signaturit	Spain	Technology	921,07	116,95	5639953	552355	95	37	2013
213	150	https://www.modulrfinance.com/	Modulr	UK	Fintech	914,74	116,5	12789098	1269382	191	31	2015
214	151	https://www.profishop.de/	PROFISHOP	Germany	Ecommerce	909,37	116,11	43812068	4340517	63	17	2012
215	152	https://floer.nl/	Floer	The Netherlands	Interiors	908,11	116,02	2520013	249975	15	2	2015
216	153	https://www.audiosalus.it/	Audiosalus	Italy	Retail	904,15	115,74	1569480	156300	12	4	2011
217	154	https://statsbomb.com/	StatsBomb	UK	Technology	897,81	115,29	2027170	204620	26	2	2016
218	155	https://www.theras-group.com/	Theras Biocare	Italy	Pharmaceuticals	888,84	114,64	26633230	2693390	8	2	2013

Oltre 10 righe disponibili. Aumentare il selettore di righe per visualizzare altre righe.

SQL Workshop – Comandi SQL

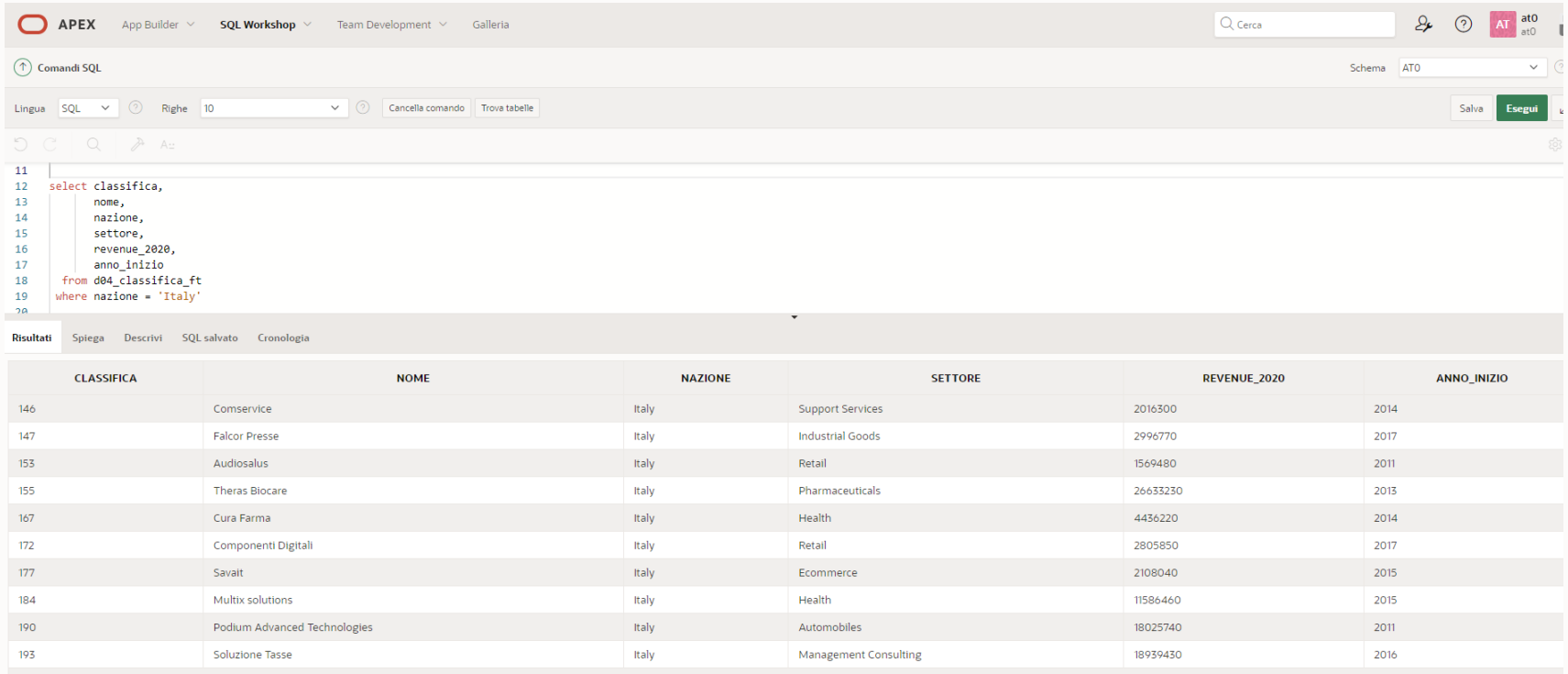
```
select classifica,
       nome,
       nazione,
       settore,
       revenue_2020,
       anno_inizio
  from d08_classifica_ft
```



CLASSIFICA	NOME	NAZIONE	SETTORE	REVENUE_2020	ANNO_INIZIO
146	Comservice	Italy	Support Services	2016300	2014
147	Falcor Presse	Italy	Industrial Goods	2996770	2017
148	RoomRaccoon	The Netherlands	Technology	1715334	2017
149	Signaturit	Spain	Technology	5639953	2013
150	Modulr	UK	Fintech	12789098	2015
151	PROFISHOP	Germany	Ecommerce	43812068	2012
152	Floer	The Netherlands	Interiors	2520013	2015
153	Audiosalus	Italy	Retail	1569480	2011
154	StatsBomb	UK	Technology	2027170	2016
155	Theras Biocare	Italy	Pharmaceuticals	26633230	2013

SQL Workshop – Comandi SQL

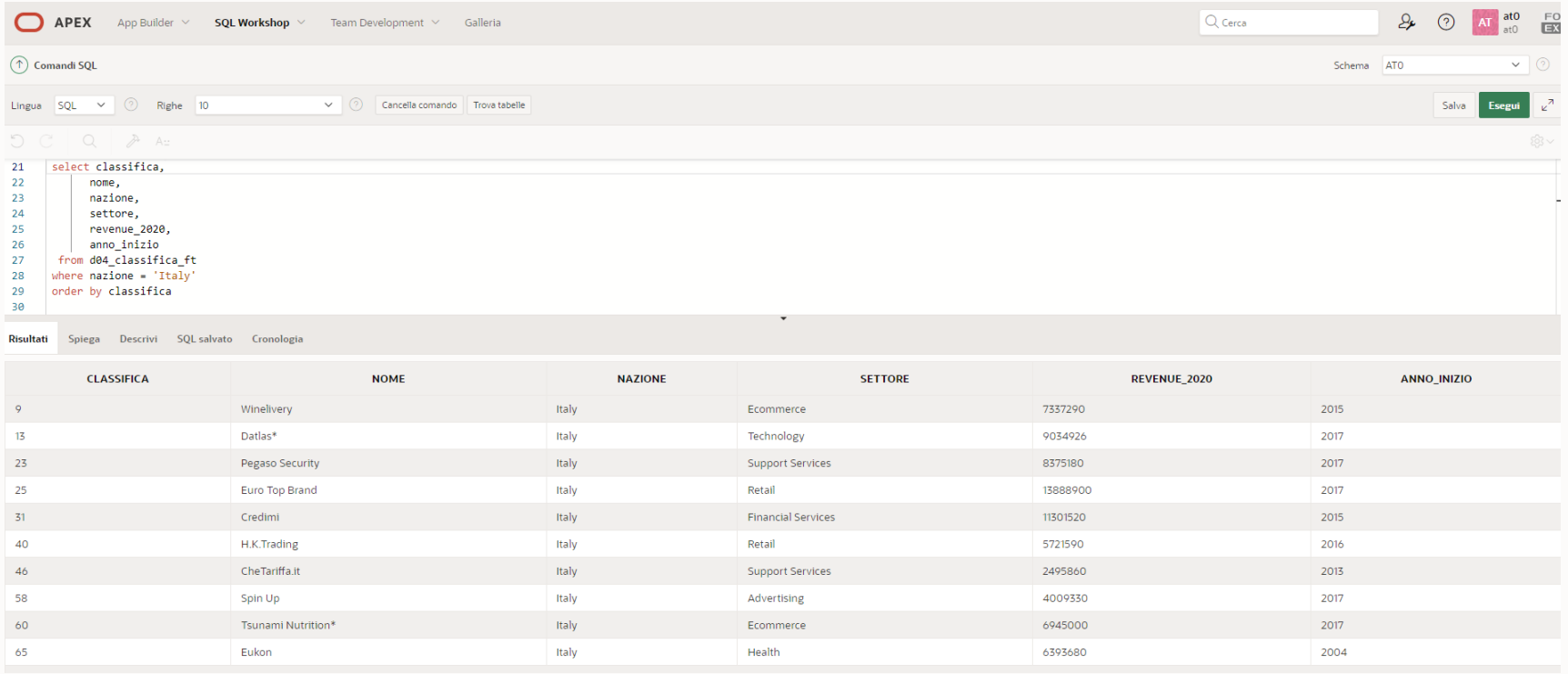
```
select classifica,
       nome,
       nazione,
       settore,
       revenue_2020,
       anno_inizio
  from d08_classifica_ft
 where nazione = 'Italy'
```



CLASSIFICA	NOME	NAZIONE	SETTORE	REVENUE_2020	ANNO_INIZIO
146	Comservice	Italy	Support Services	2016300	2014
147	Falcor Presse	Italy	Industrial Goods	2996770	2017
153	Audiosalus	Italy	Retail	1569480	2011
155	Theras Biocare	Italy	Pharmaceuticals	26633230	2013
167	Cura Farma	Italy	Health	4436220	2014
172	Componenti Digitali	Italy	Retail	2805850	2017
177	Savait	Italy	Ecommerce	2108040	2015
184	Multix solutions	Italy	Health	11586460	2015
190	Podium Advanced Technologies	Italy	Automobiles	18025740	2011
193	Soluzione Tasse	Italy	Management Consulting	18939430	2016

SQL Workshop – Comandi SQL

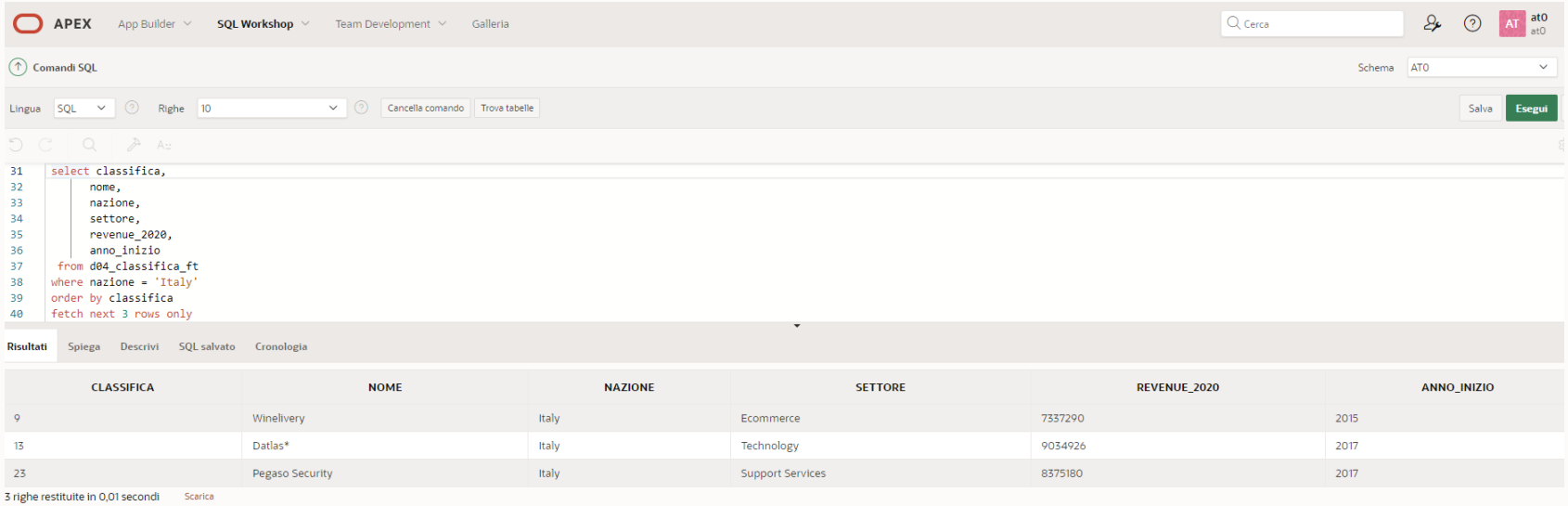
```
select classifica,
       nome,
       nazione,
       settore,
       revenue_2020,
       anno_inizio
  from d08_classifica_ft
 where nazione = 'Italy'
order by classifica
```



CLASSIFICA	NOME	NAZIONE	SETTORE	REVENUE_2020	ANNO_INIZIO
9	Winelivery	Italy	Ecommerce	7337290	2015
13	Datlas*	Italy	Technology	9034926	2017
23	Pegaso Security	Italy	Support Services	8375180	2017
25	Euro Top Brand	Italy	Retail	13888900	2017
31	Credimi	Italy	Financial Services	11301520	2015
40	H.K.Trading	Italy	Retail	5721590	2016
46	CheTariffa.it	Italy	Support Services	2495860	2013
58	Spin Up	Italy	Advertising	4009330	2017
60	Tsunami Nutrition*	Italy	Ecommerce	6945000	2017
65	Eukon	Italy	Health	6393680	2004

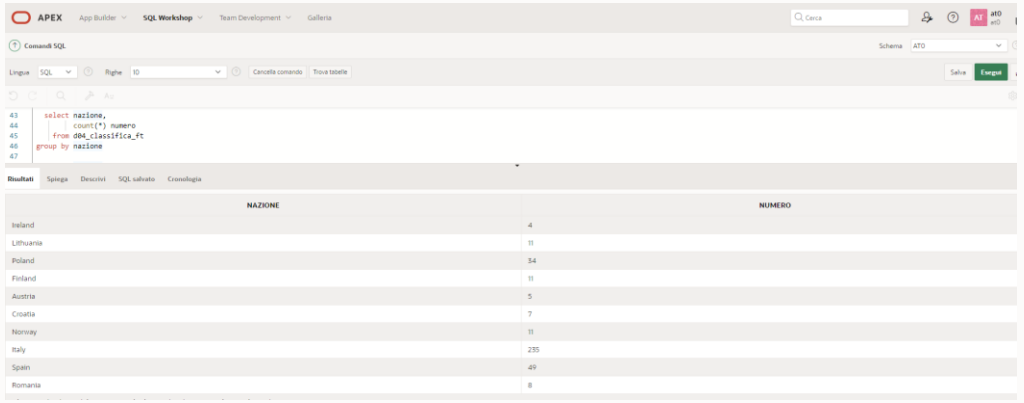
SQL Workshop – Comandi SQL

```
select classifica,
       nome,
       nazione,
       settore,
       revenue_2020,
       anno_inizio
  from d08_classifica_ft
 where nazione = 'Italy'
order by classifica
 fetch next 3 rows only
```



SQL Workshop – Comandi SQL

```
  select nazione,
         count(*) as numero
    from d08_classifica_ft
group by nazione
```



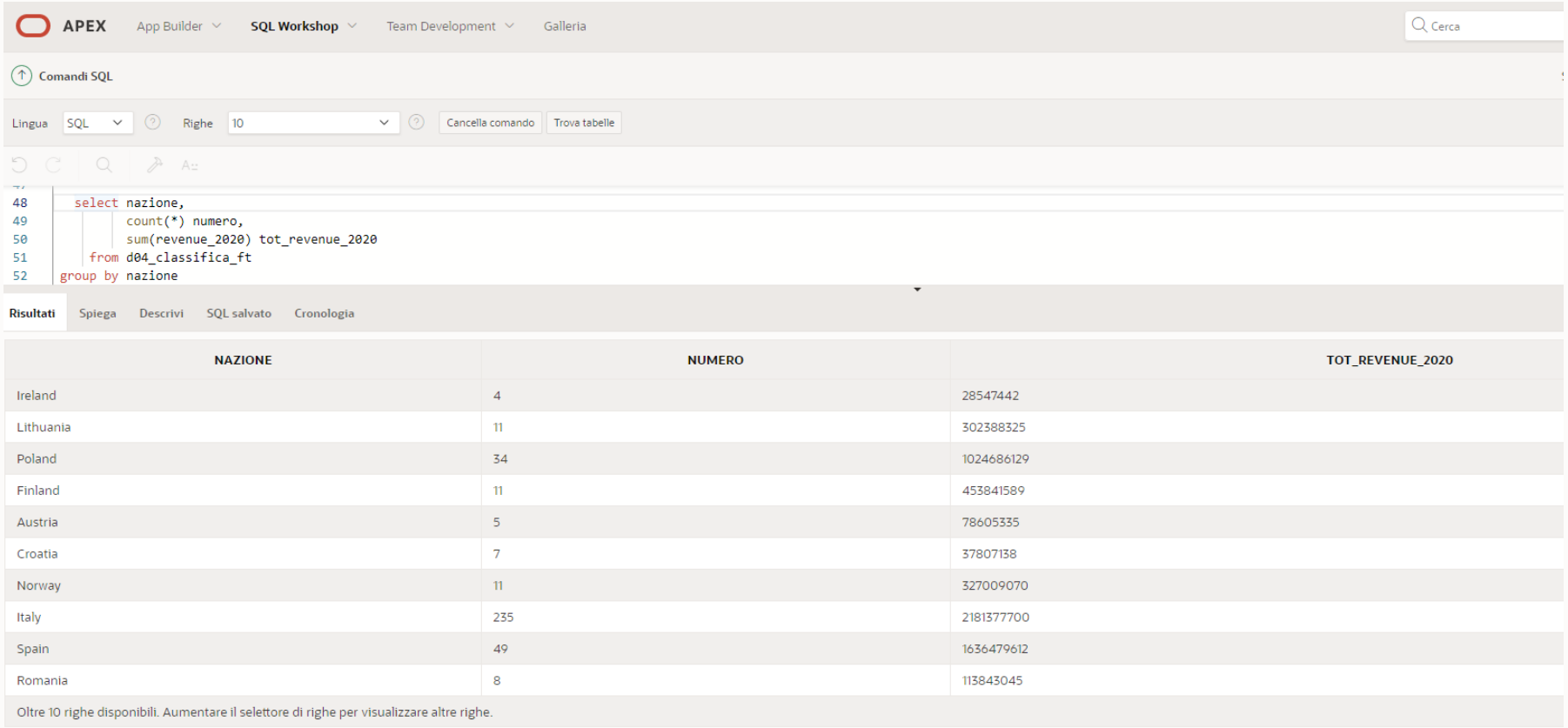

```
select count(*) as numero,
       count(web) as numero_web
       count(distinct nazione) numero_nazioni
  from d08_classifica_ft
```

Solo valori distinti

Solo valori WEB non nulli

SQL Workshop – Comandi SQL

```
  select nazione,
         count(*) as numero,
         sum(revenue_2020) as tot_revenue_2020
    from d08_classifica_ft
group by nazione
```



NAZIONE	NUMERO	TOT_REVENUE_2020
Ireland	4	28547442
Lithuania	11	302388325
Poland	34	1024686129
Finland	11	453841589
Austria	5	78605335
Croatia	7	37807138
Norway	11	327009070
Italy	235	2181377700
Spain	49	1636479612
Romania	8	113843045

Oltre 10 righe disponibili. Aumentare il selettore di righe per visualizzare altre righe.

SQL Workshop – Comandi SQL

```
    select nazione,
           count(*) as numero,
           sum(revenue_2020) as tot_revenue_2020,
           avg(revenue_2020) as media_revenue_2020
      from d08_classifica_ft
  group by nazione
  order by sum(revenue_2020) desc
fetch next 3 rows only
```

Ordino con una funzione di aggregazione
(anche se non l'ho messa nella select)

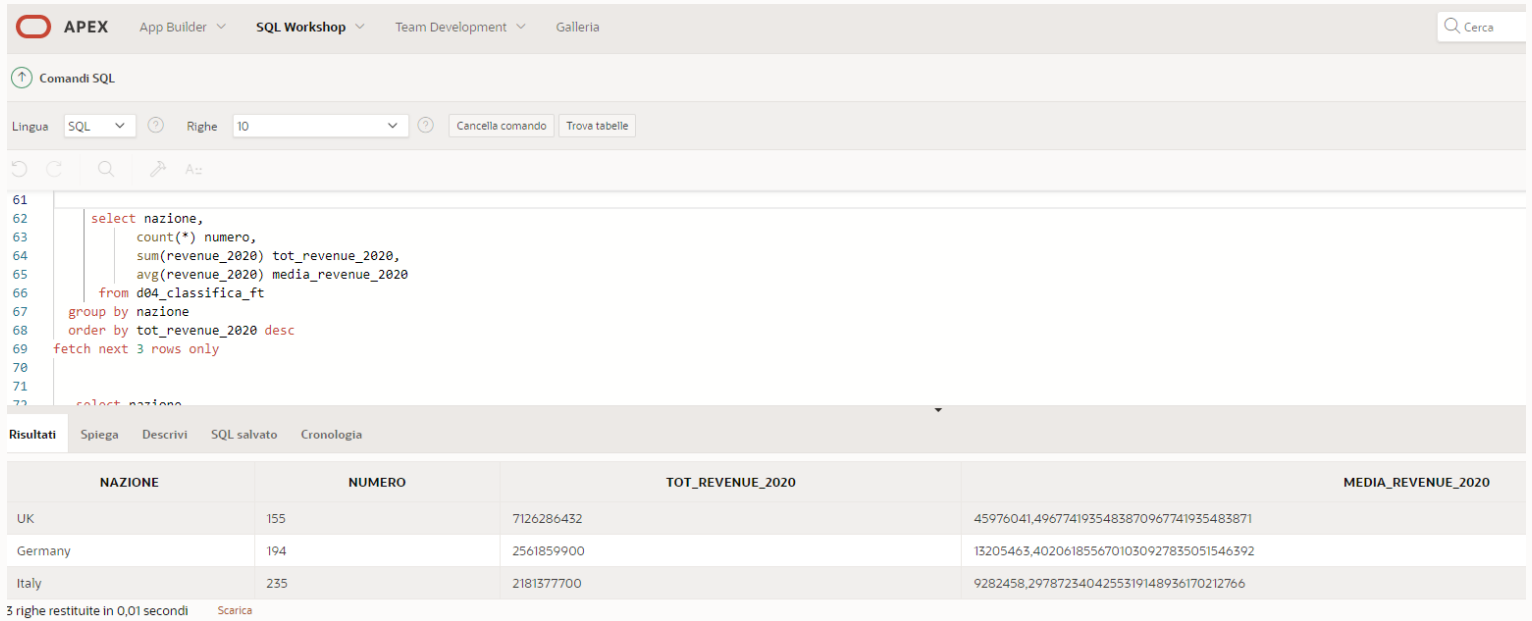
```
    select nazione,
           count(*) as numero,
           sum(revenue_2020) as tot_revenue_2020,
           avg(revenue_2020) as media_revenue_2020
      from d08_classifica_ft
  group by nazione
  order by tot_revenue_2020 desc
fetch next 3 rows only
```

Posso ordinare ANCHE usando l'alias

SQL Workshop – Comandi SQL

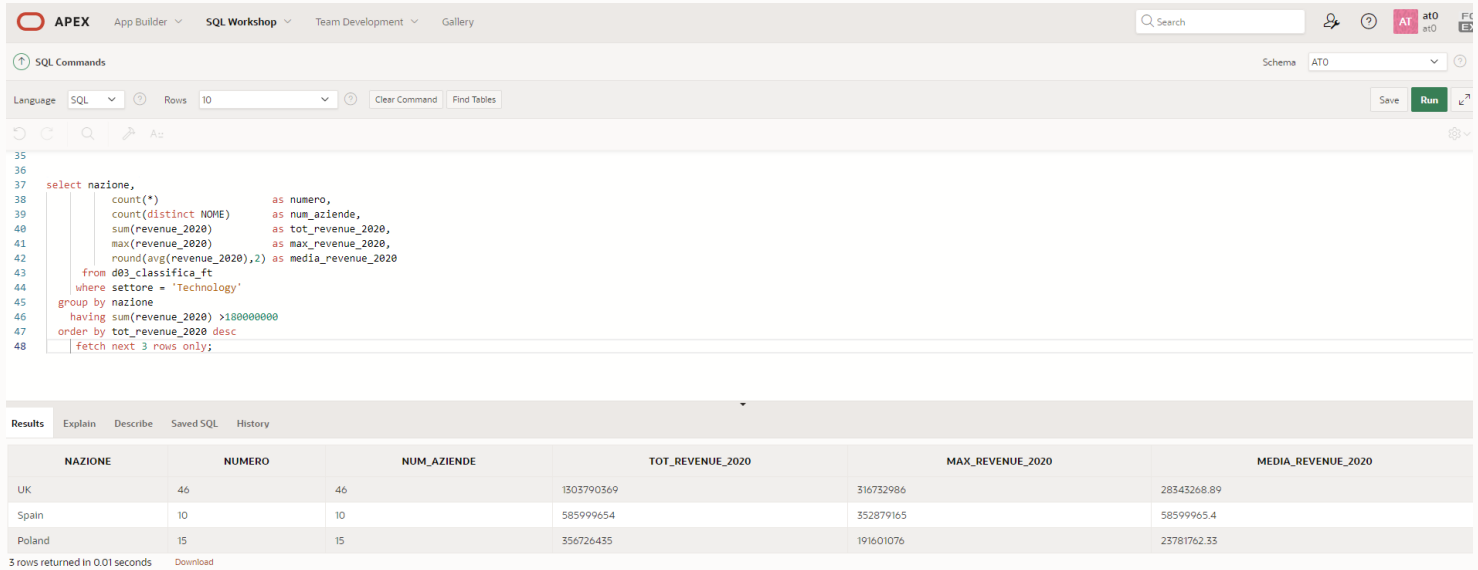
```
  select nazione,
         count(*) as numero,
         sum(revenue_2020) as tot_revenue_2020,
         avg(revenue_2020) as media_revenue_2020
    from d08_classifica_ft
group by nazione
  having sum(revenue_2020) >180000000
order by tot_revenue_2020 desc
```

NON POSSO usare l'alias per HAVING (forse nel DB oracle 23c)



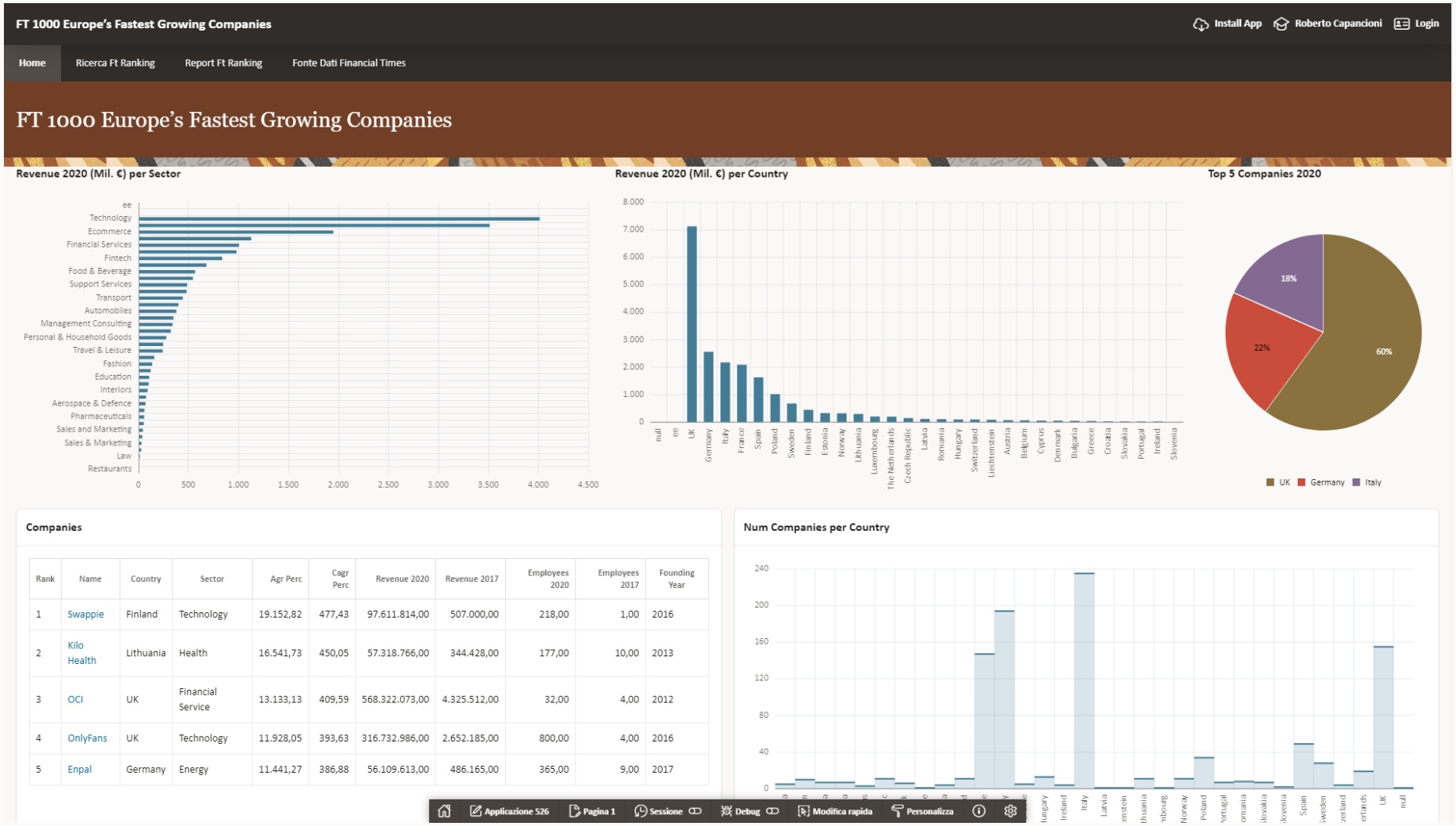
SQL Workshop – Comandi SQL

```
  select nazione,
         count(*)                        as numero,
         count(distinct NOME)            as num_aziende,
         sum(revenue_2020)               as tot_revenue_2020,
         max(revenue_2020)               as max_revenue_2020,
         round(avg(revenue_2020),2)      as media_revenue_2020
    from d08_classifica_ft
   where settore = 'Technology'
group by nazione
  having sum(revenue_2020) >180000000
order by tot_revenue_2020 desc
   fetch next 3 rows only
```



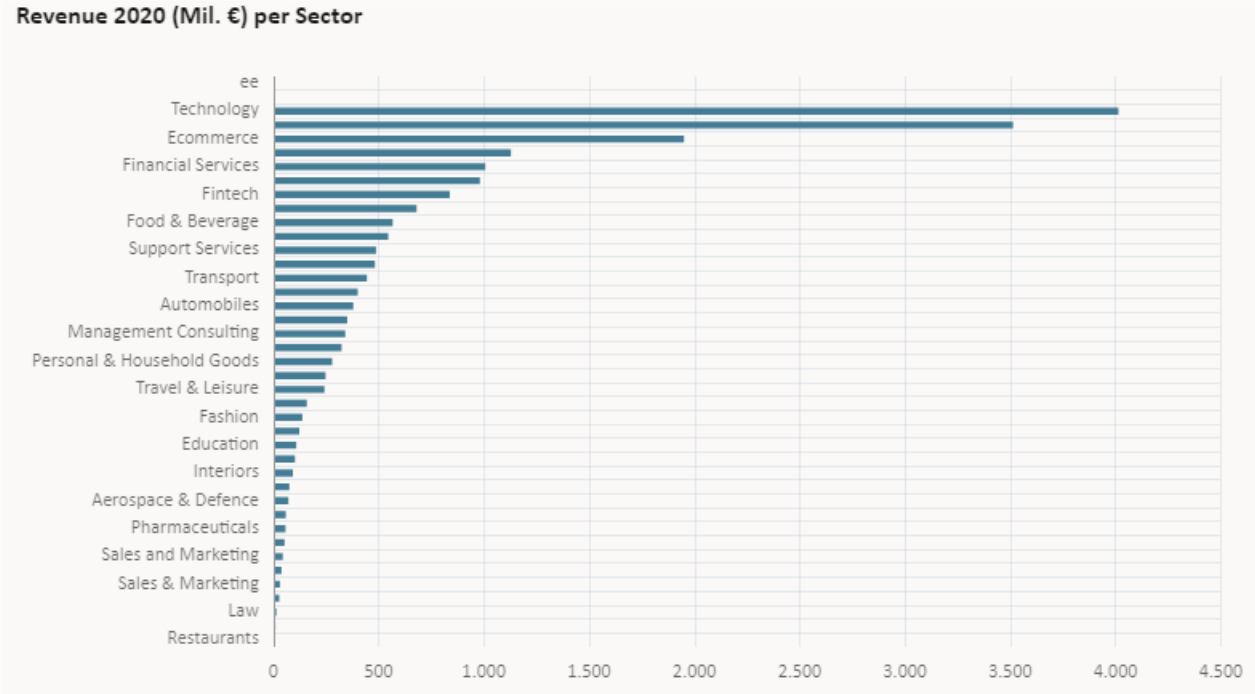
FT 1000 Europe’s Fastest Growing Companies

FT 1000 Europe’s Fastest Growing Companies



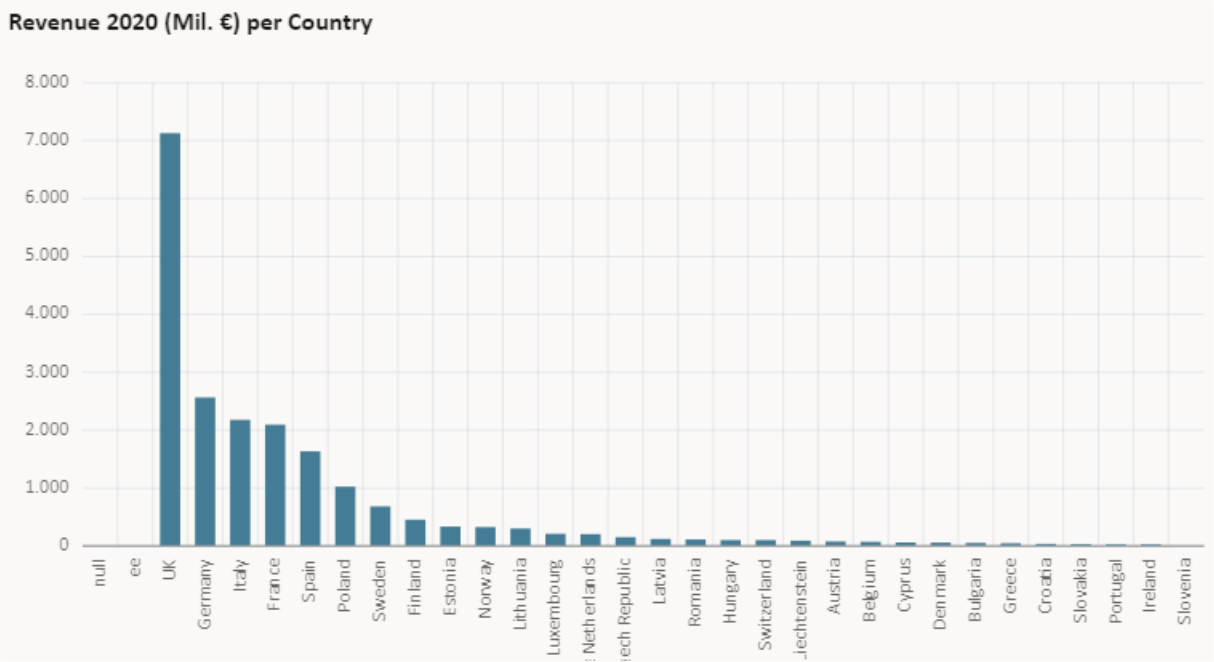
FT 1000 Europe's Fastest Growing Companies

```
  select settore,
         sum(revenue_2020/1000000)
                    as revenue_2020
    from d08_classifica_ft
group by settore
order by revenue_2020 desc
```



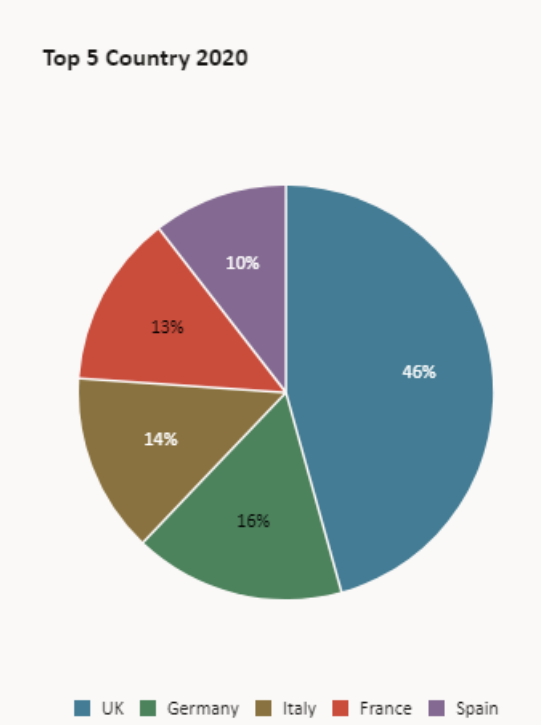
FT 1000 Europe's Fastest Growing Companies

```
  select NAZIONE,
         sum(REVENUE_2020/1000000)
                    as REVENUE_2020
    from d12_classifica_ft
group by NAZIONE
order by REVENUE_2020 desc
```



FT 1000 Europe's Fastest Growing Companies

```
  select NAZIONE,
         sum(REVENUE_2020/1000000)as REVENUE_2020
    from d08_classifica_ft
group by NAZIONE
order by REVENUE_2020 desc nulls last
   FETCH NEXT 5 ROWS ONLY
```



FT 1000 Europe's Fastest Growing Companies

```
select id,
       classifica,
       web,
       nome,
       nazione,
       settore,
       agr_perc,
       cagr_perc,
       revenue_2020,
       revenue_2017,
       anno_inizio
  from d08_classifica_ft
```

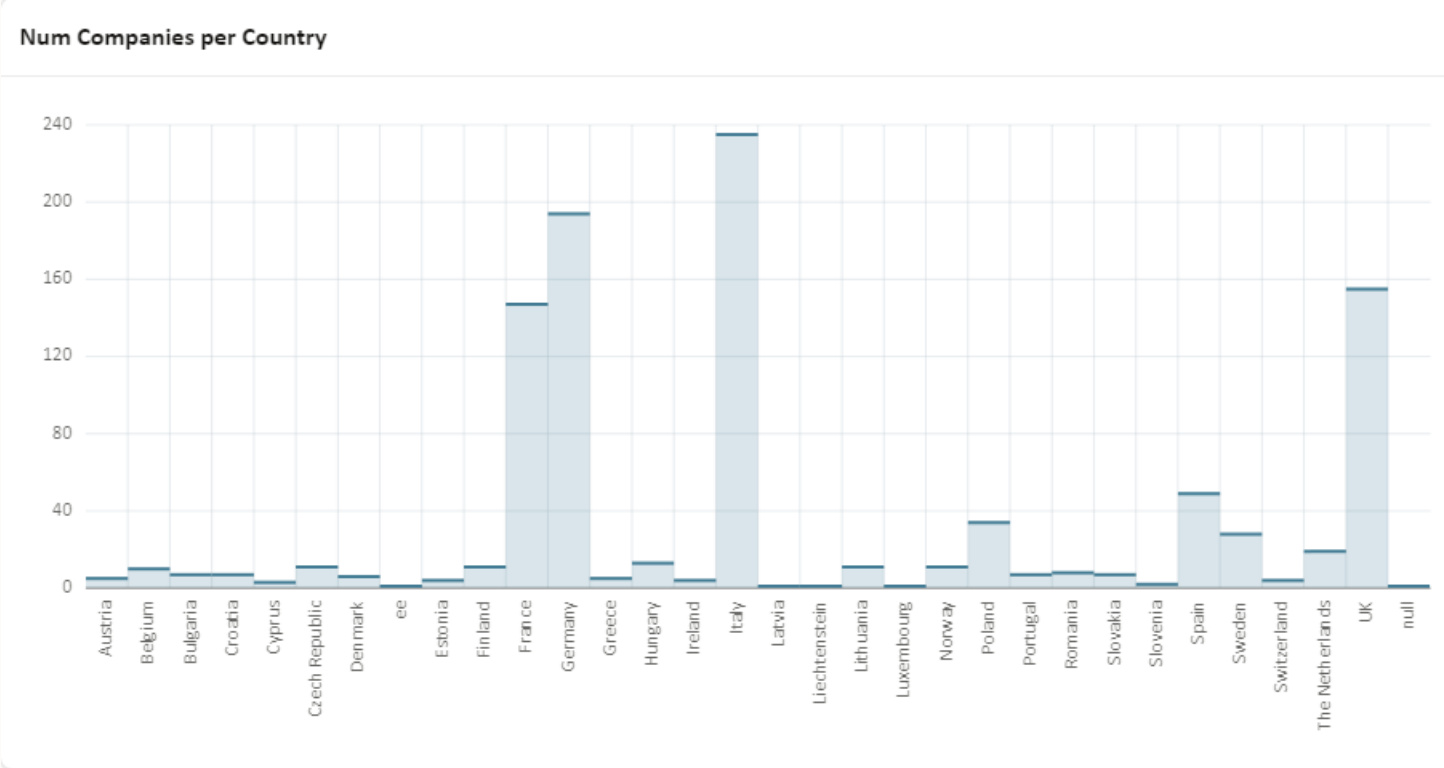
Companies

Rank	Name	Country	Sector	Agr Perc	Cagr Perc	Revenue 2020	Revenue 2017	Employees 2020	Employees 2017	Founding Year
1	Swappie	Finland	Technology	19.152,82	477,43	97.611.814,00	507.000,00	218,00	1,00	2016
2	Kilo Health	Lithuania	Health	16.541,73	450,05	57.318.766,00	344.428,00	177,00	10,00	2013
3	OCI	UK	Financial Service	13.133,13	409,59	568.322.073,00	4.325.512,00	32,00	4,00	2012
4	OnlyFans	UK	Technology	11.928,05	393,63	316.732.986,00	2.652.185,00	800,00	4,00	2016
5	Enpal	Germany	Energy	11.441,27	386,88	56.109.613,00	486.165,00	365,00	9,00	2017

1 - 5 Successivo ▶

FT 1000 Europe's Fastest Growing Companies

```
  select count(*) as num,
         NAZIONE
    from d08_classifica_ft
group by NAZIONE
order by NAZIONE
```



Filtri URL

D06 - Dipendente Attività

Cliente

Go | Actions

Cliente
CLIENTE_01
CLIENTE_02
CLIENTE_03
CLIENTE_04
CLIENTE_05

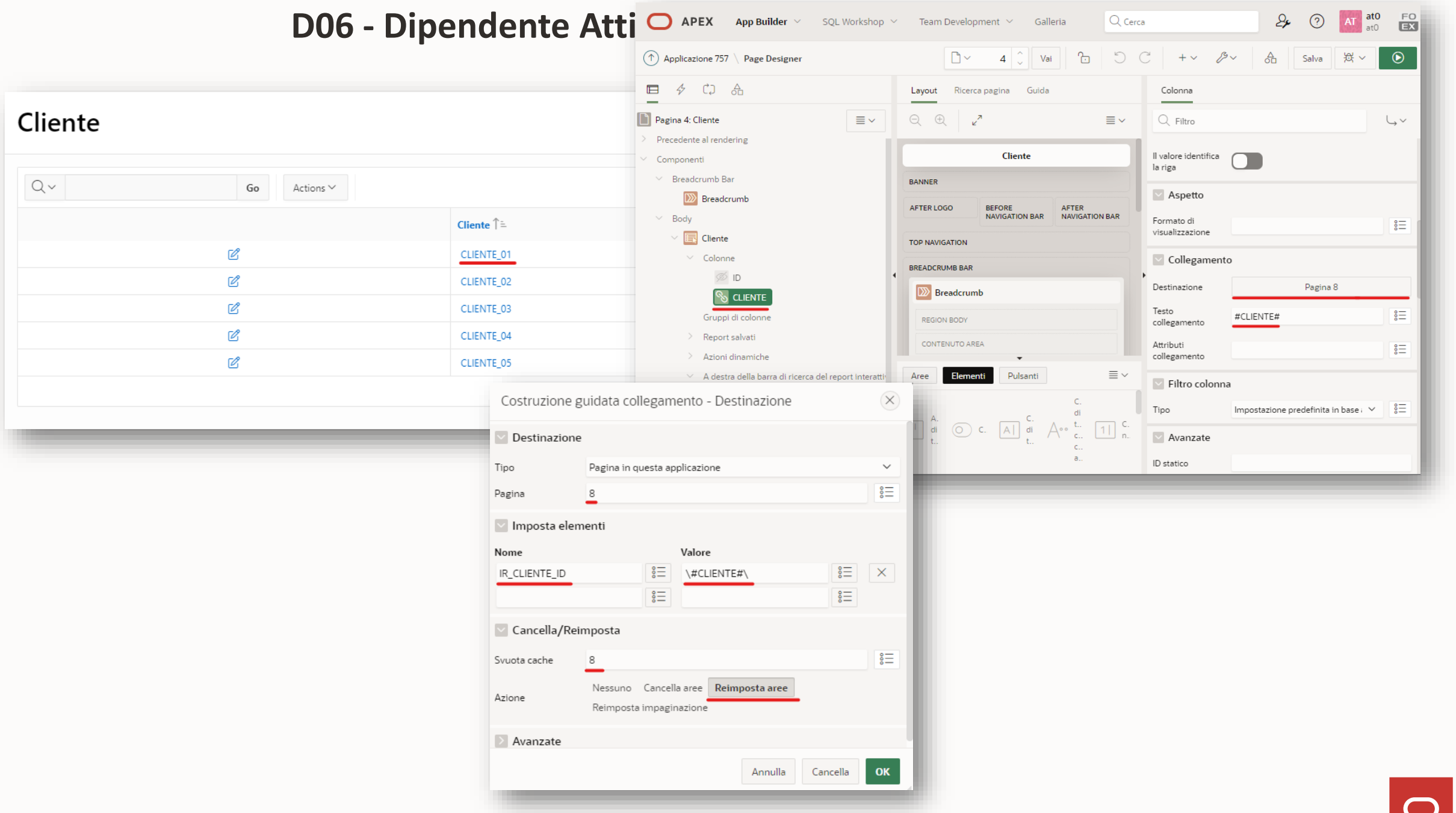
Attivita

Go | Actions | Create

Cliente = 'CLIENTE_01'

Dipendente	Cliente	Commessa	Data	Ore
ANNA	CLIENTE_01	COMM03	3/27/2023	63
ANNA	CLIENTE_01	COMM01	2/10/2023	48
ANNA	CLIENTE_01	COMM04	2/24/2023	16
ANNA	CLIENTE_01	COMM04	3/25/2023	30
ANNA	CLIENTE_01	COMM01	1/15/2023	14
ANNA	CLIENTE_01	COMM04	1/6/2023	4
ANNA	CLIENTE_01	COMM01	1/29/2023	38
ANNA	CLIENTE_01	COMM04	2/8/2023	49
ANNA	CLIENTE_01	COMM02	3/8/2023	93
FRANCESCA	CLIENTE_01	COMM05	3/12/2023	79
FRANCESCA	CLIENTE_01	COMM02	3/26/2023	47
FRANCESCA	CLIENTE_01	COMM01	1/24/2023	65
FRANCESCA	CLIENTE_01	COMM04	1/21/2023	88
FRANCESCA	CLIENTE_01	COMM01	1/18/2023	53
FRANCESCA	CLIENTE_01	COMM01	3/11/2023	61
FRANCESCA	CLIENTE_01	COMM05	3/12/2023	64
FRANCESCA	CLIENTE_01	COMM01	3/28/2023	18

D06 - Dipendente Atti



IR[region static ID]<operator>_<target column alias>

IR[emp]EQ_NAME IREQ_CITY

Function	Meaning
IREQ_<COLUMN_NAME>	Equals
IR_<COLUMN_NAME >	Same as IREQ
LT_<COLUMN_NAME >	Less than
IRLTE_<COLUMN_NAME >	Less than or equal to
IRGT_<COLUMN_NAME >	Greater then
IRGTE_<COLUMN_NAME >	Greater then or equal to
IRLIKE_<COLUMN_NAME >	Like operator
IRN_<COLUMN_NAME >	Is Null
IRNN_<COLUMN_NAME >	Is not Null
IRC_<COLUMN_NAME >	Contains
IRNC_<COLUMN_NAME >	Not Contains

Main Function Maintains:	CR (CIR) Clears Interactive Report	RR (RIR) Resets Interactive Report	RP Resets interactive report pagination.
– Column visibility	YES*	NO	
– Primary Report	NO	YES	
– Filters	NO	NO	
– Breakpoints	NO	NO	
– Pagination	NO	NO	
– Sort	YES	NO	
– Highlight	NO	NO	
– Computation	NO	NO	
– Aggregate	NO	NO	
– Chart	NO	NO	
– Group by	NO	NO	

* 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
LT = 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 separated values with a leading and trailing backslash, \)
IN = In (escape the comma separated values with a leading and trailing backslash, \)
ROWFILTER = Row Text Contains (this searches all columns displayed in the report with type STRING or NUMBER)

IG[region static ID]<operator>_<target column alias>

IG[emp]EQ_NAME IGEQ_CITY

Function	Meaning
IGEQ_<COLUMN_NAME>	Equals
IG_<COLUMN_NAME >	Same as IREQ
LT_<COLUMN_NAME >	Less than
IGLTE_<COLUMN_NAME >	Less than or equal to
IGGT_<COLUMN_NAME >	Greater then
IGGTE_<COLUMN_NAME >	Greater then or equal to
IGLIKE_<COLUMN_NAME >	Like operator
IGN_<COLUMN_NAME >	Is Null
IGNN_<COLUMN_NAME >	Is not Null
IGC_<COLUMN_NAME >	Contains
IGNC_<COLUMN_NAME >	Not Contains

Main Function Maintains:	CR Clears Interactive Report	RR Resets Interactive Report	RP Resets interactive report pagination.
– Column visibility	YES*	NO	
– Primary Report	NO	YES	
– Filters	NO	NO	
– Breakpoints	NO	NO	
– Pagination	NO	NO	
– Sort	YES	NO	
– Highlight	NO	NO	
– Computation	NO	NO	
– Aggregate	NO	NO	
– Chart	NO	NO	
– Group by	NO	NO	

* 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
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LIKE = SQL Like operator
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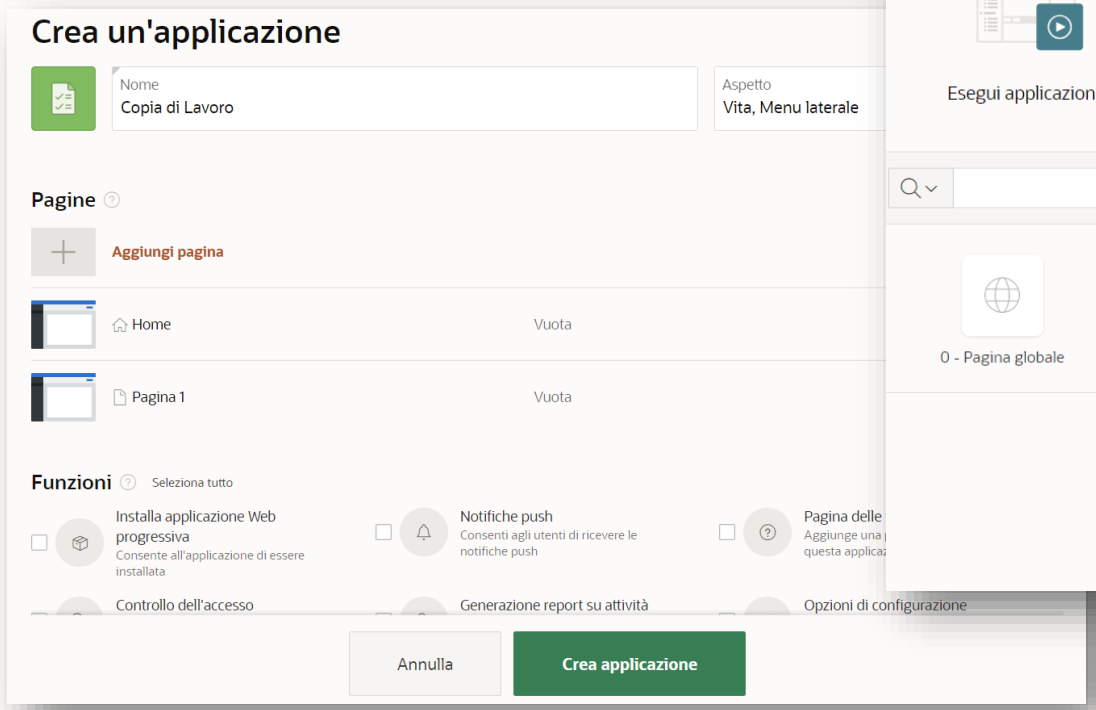
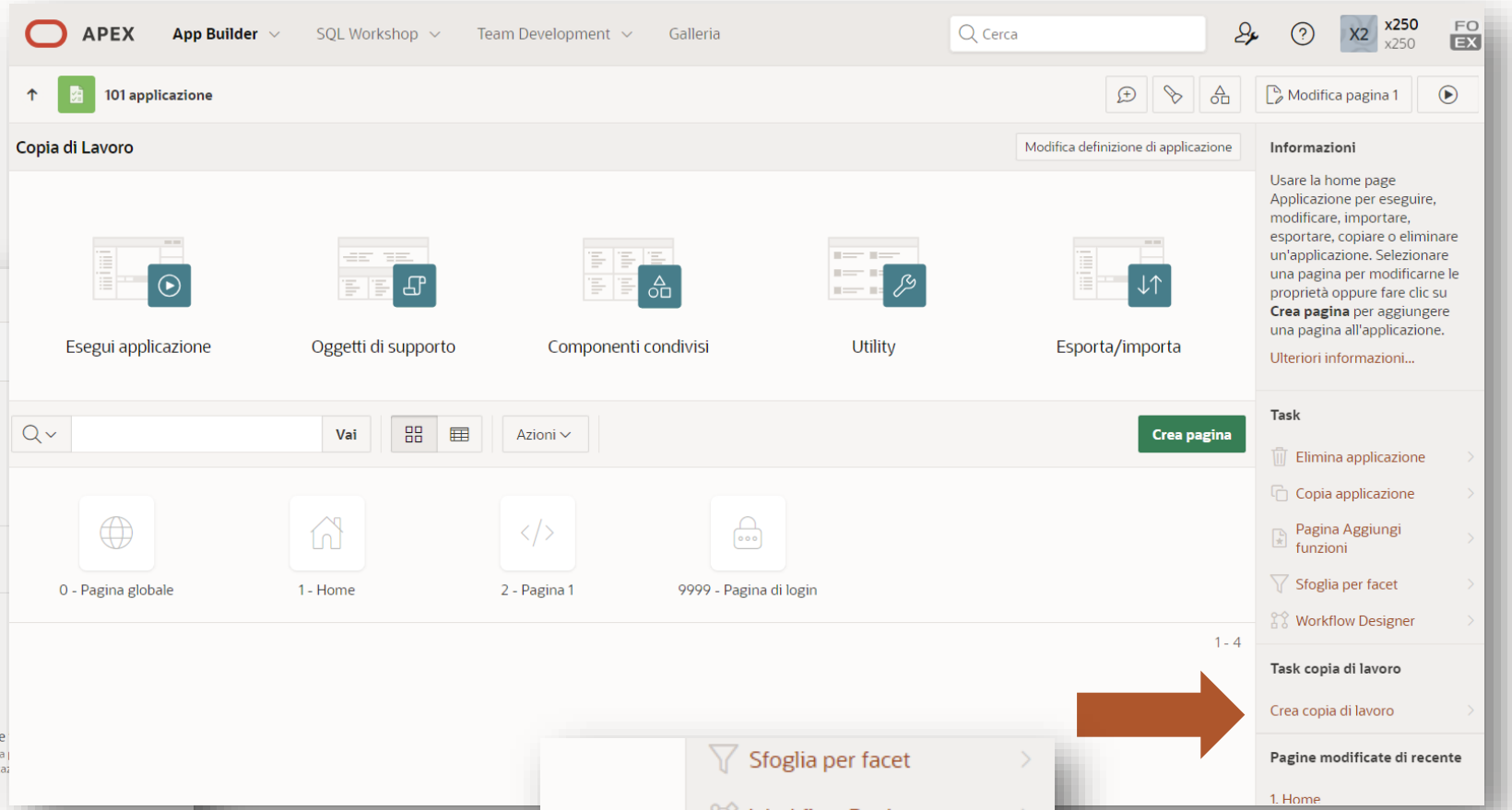
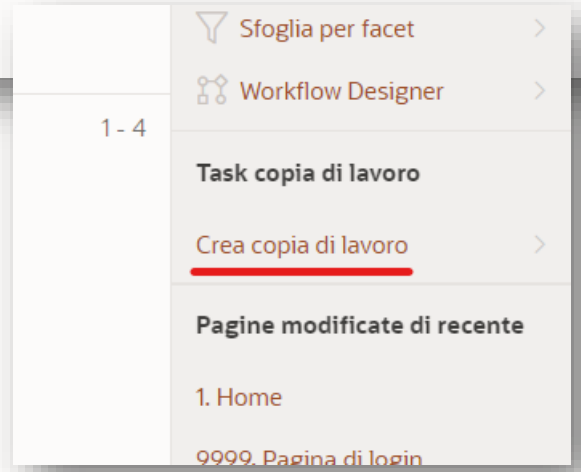
NIN = Not In (escape the comma separated values with a leading and trailing backslash, \)
IN = In (escape the comma separated values with a leading and trailing backslash, \)
ROWFILTER = Row Text Contains (this searches all columns displayed in the report with type STRING or NUMBER)

Copia di Lavoro

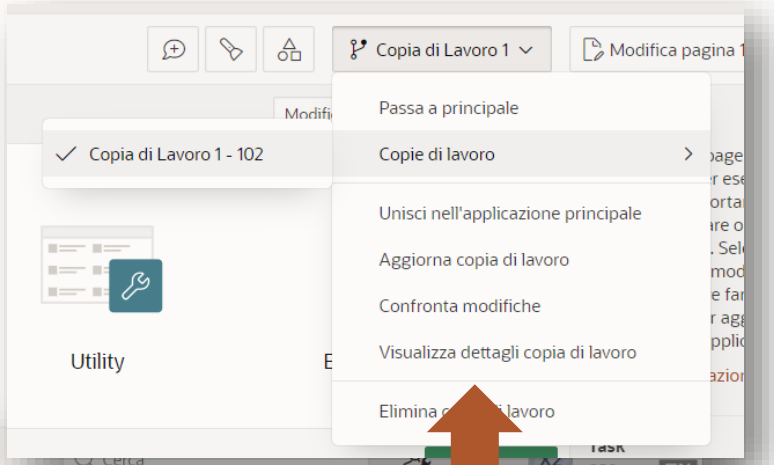
Copia di Lavoro

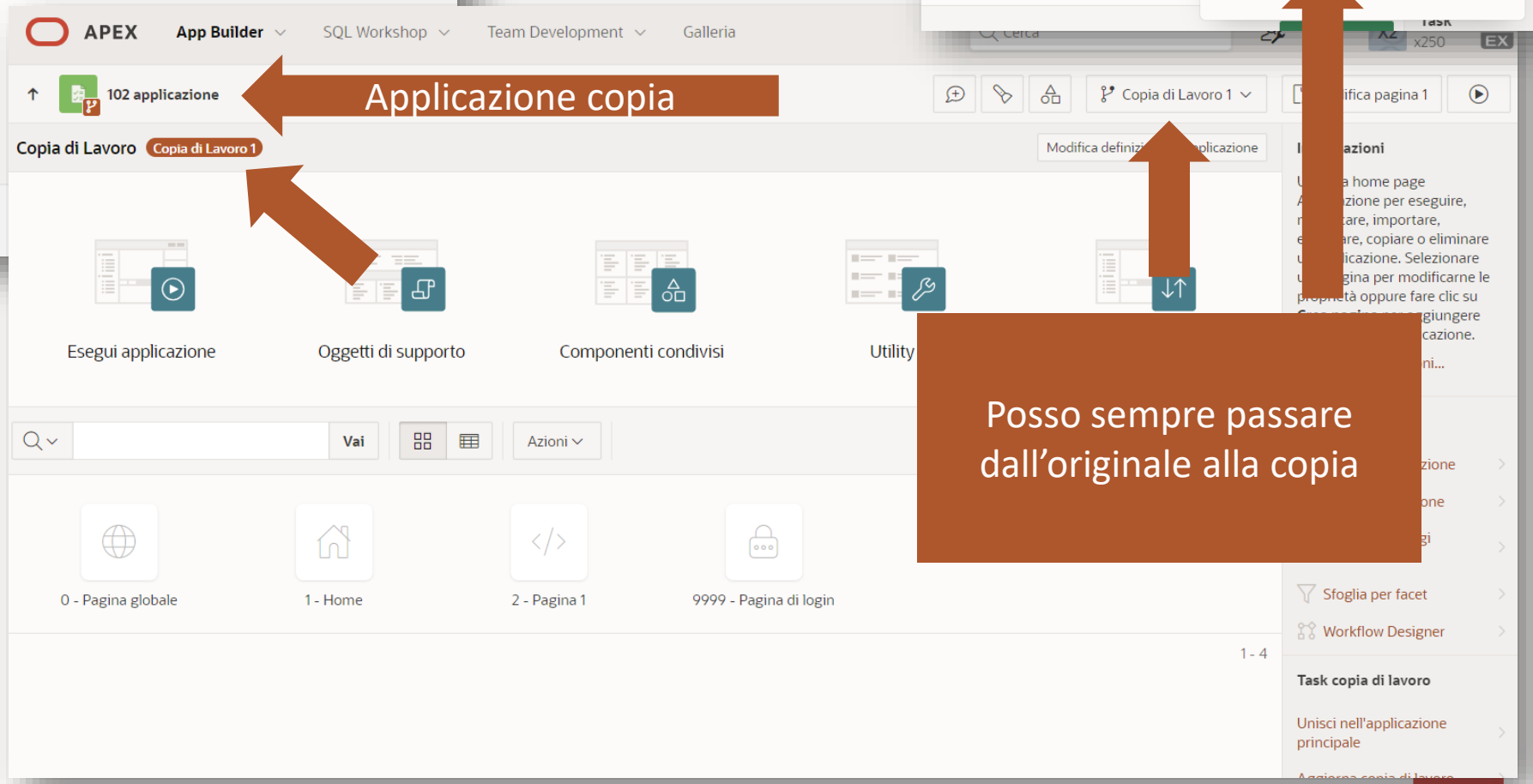






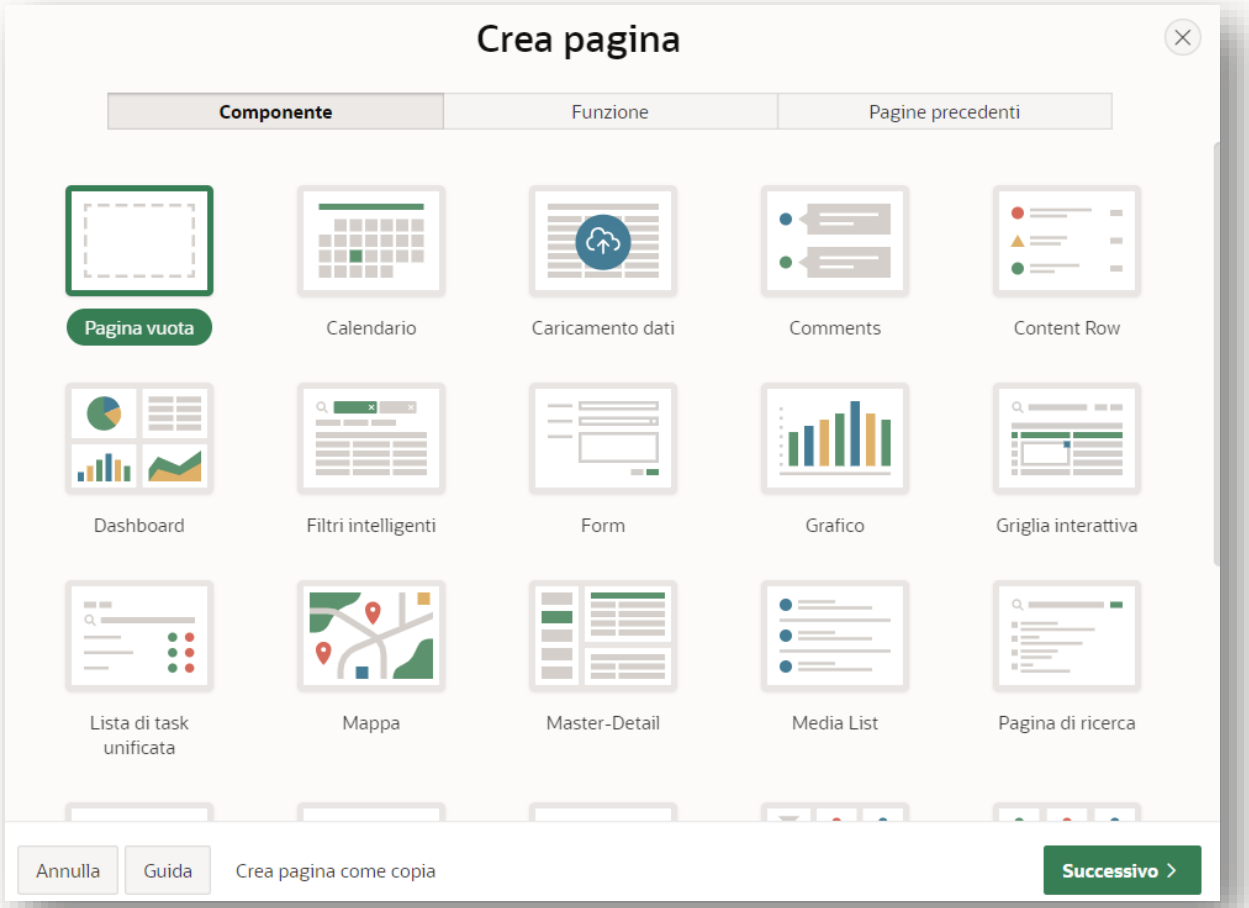
Copia di Lavoro

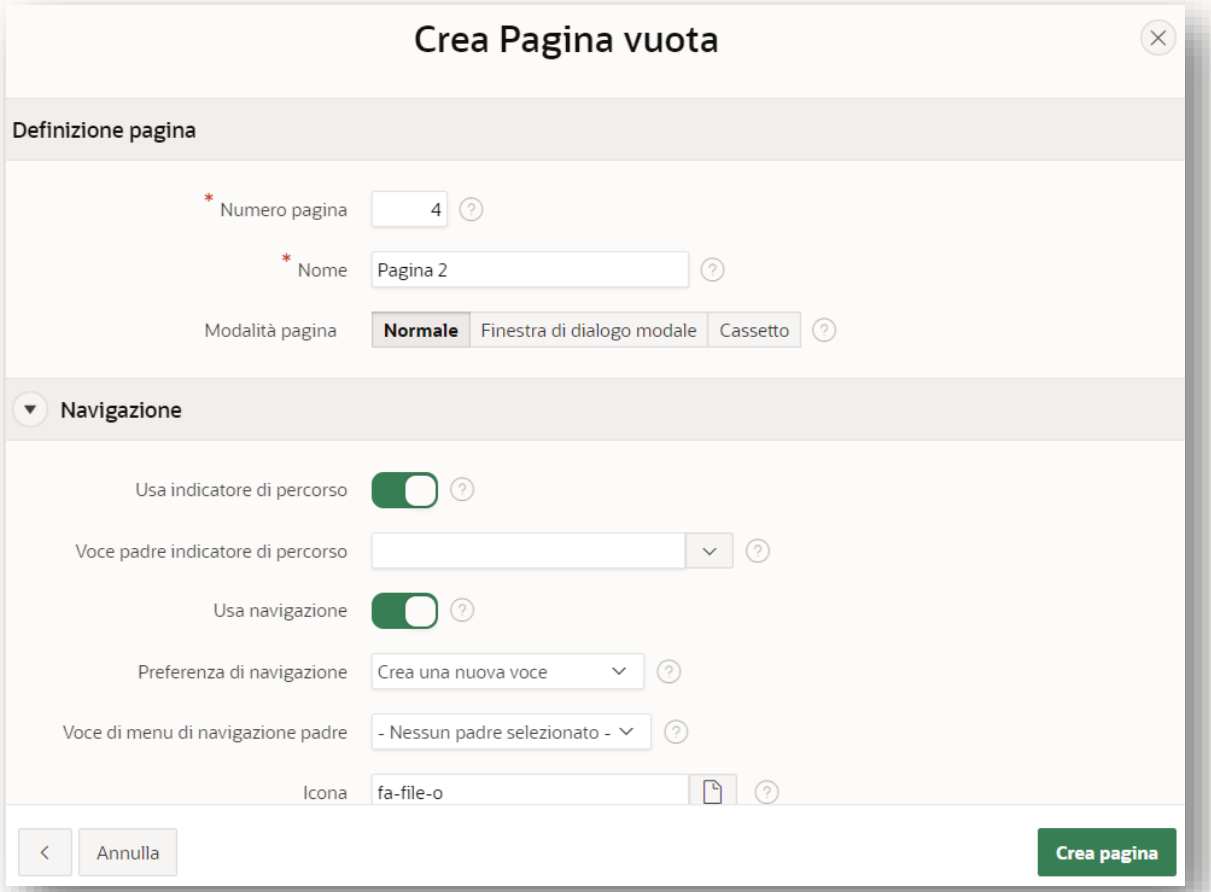




Posso sempre passare dall'originale alla copia

Copia di Lavoro





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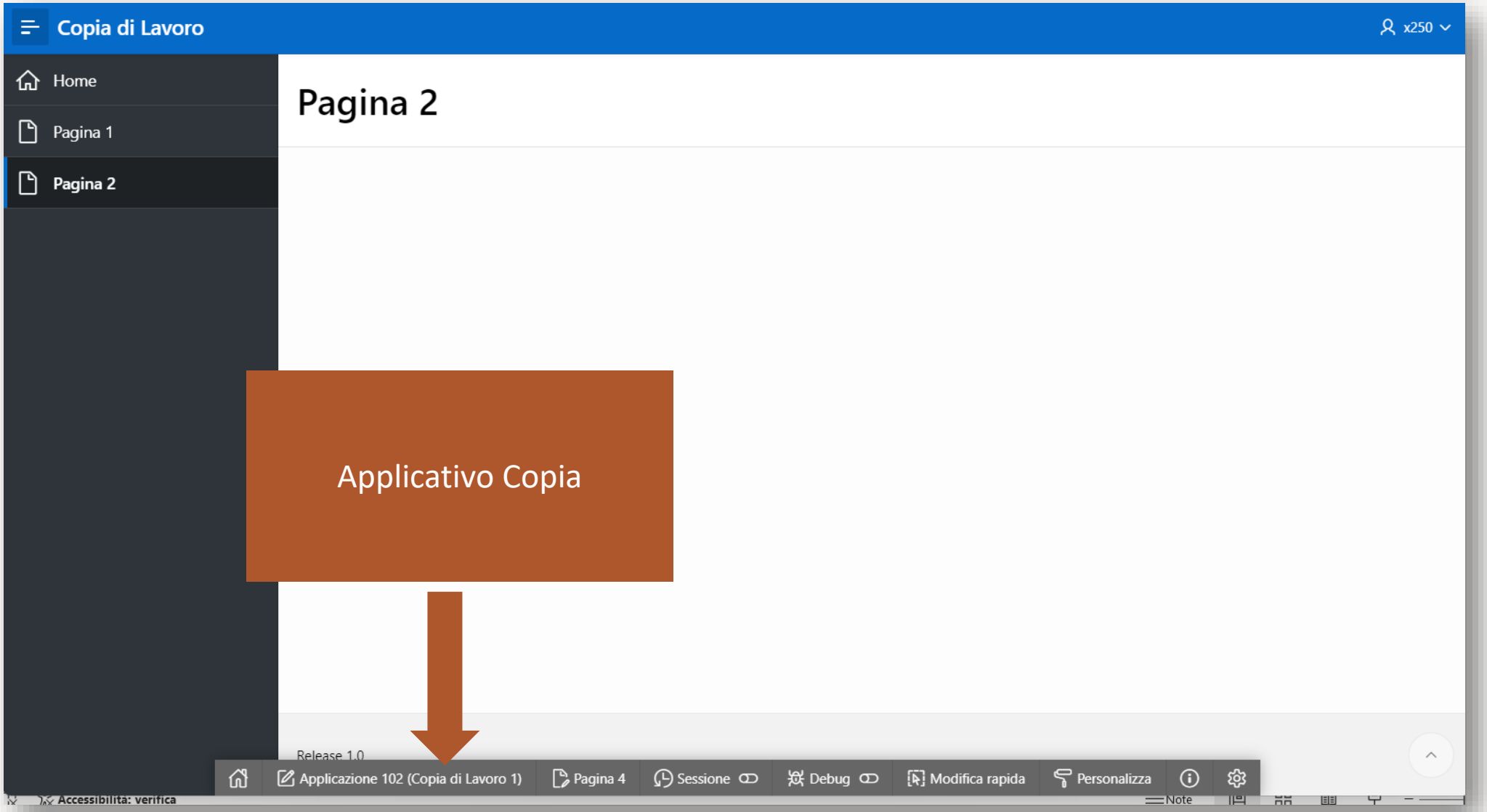

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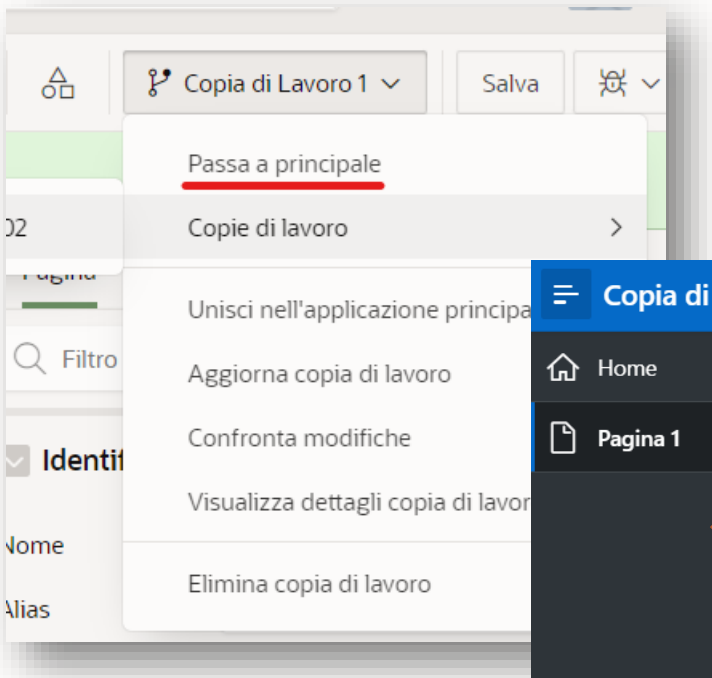

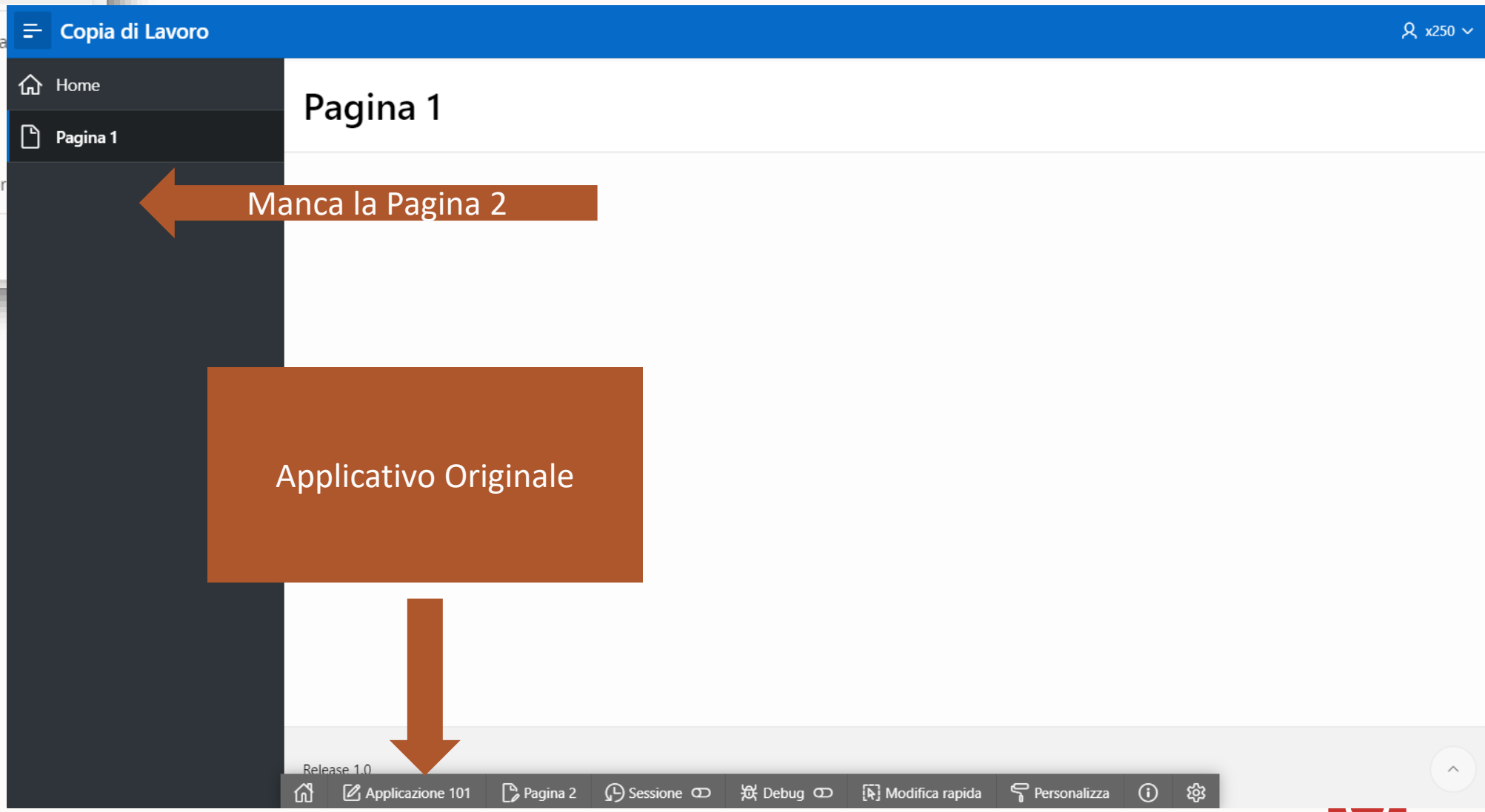

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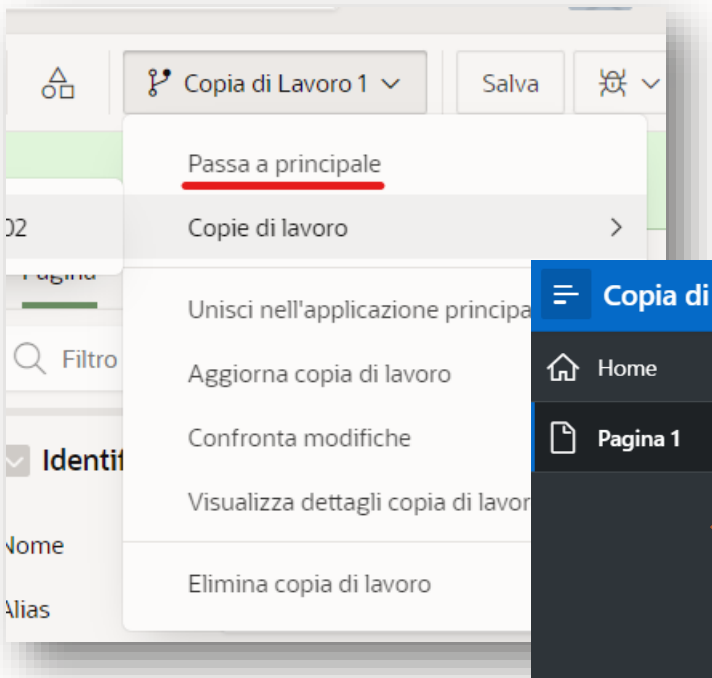

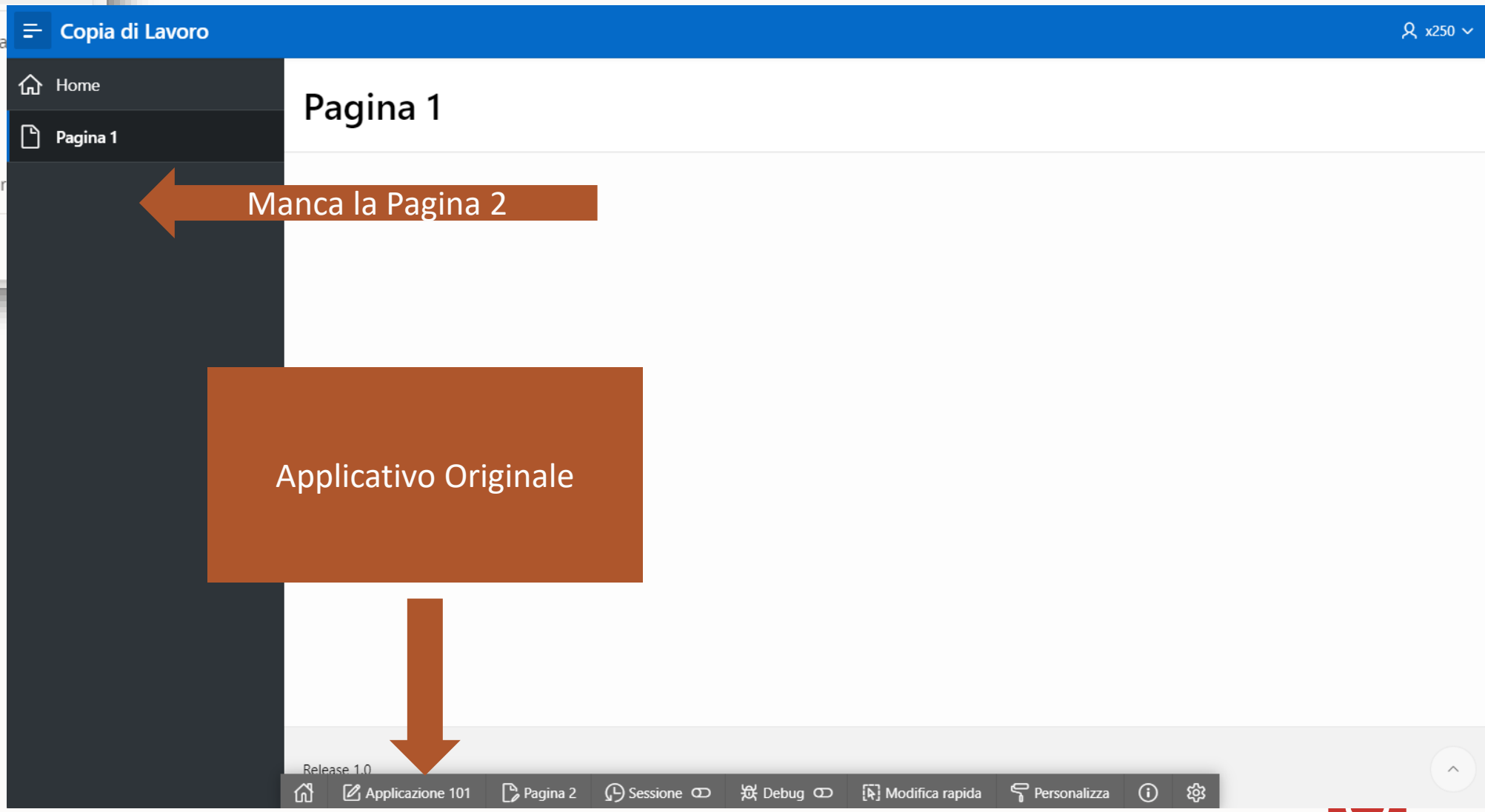

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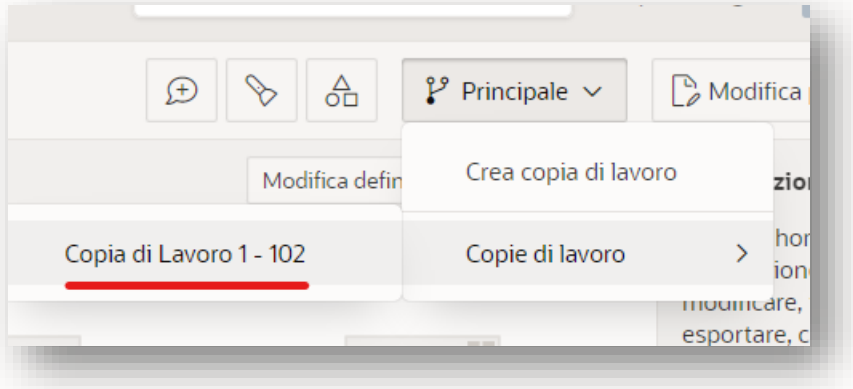
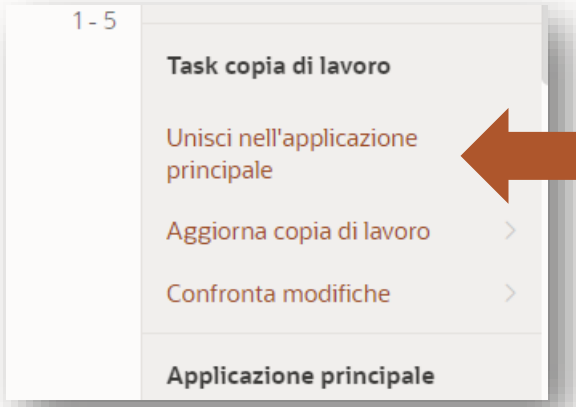
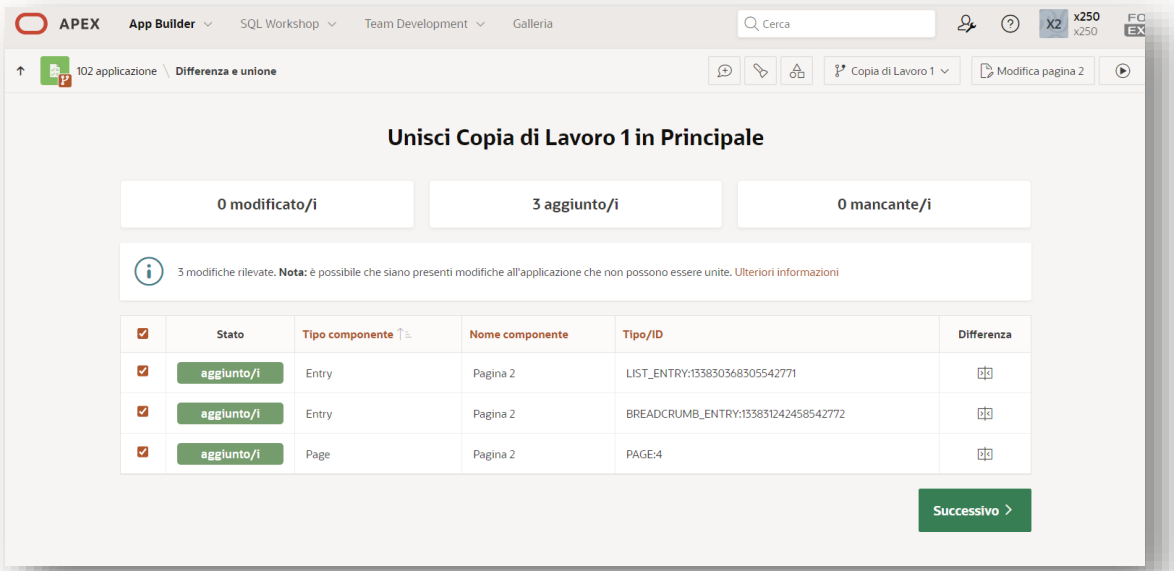
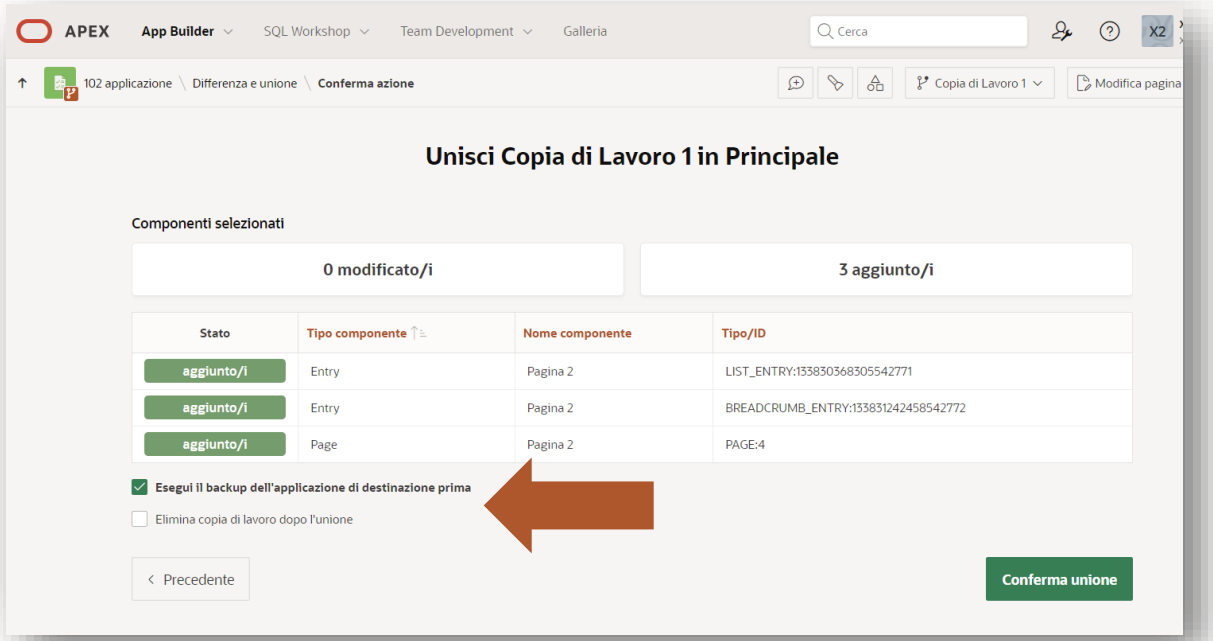




Aggiorna l'originale





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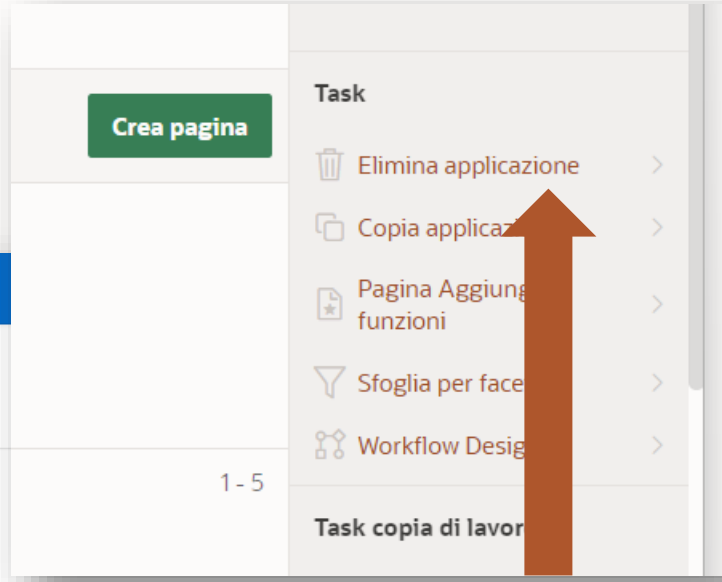

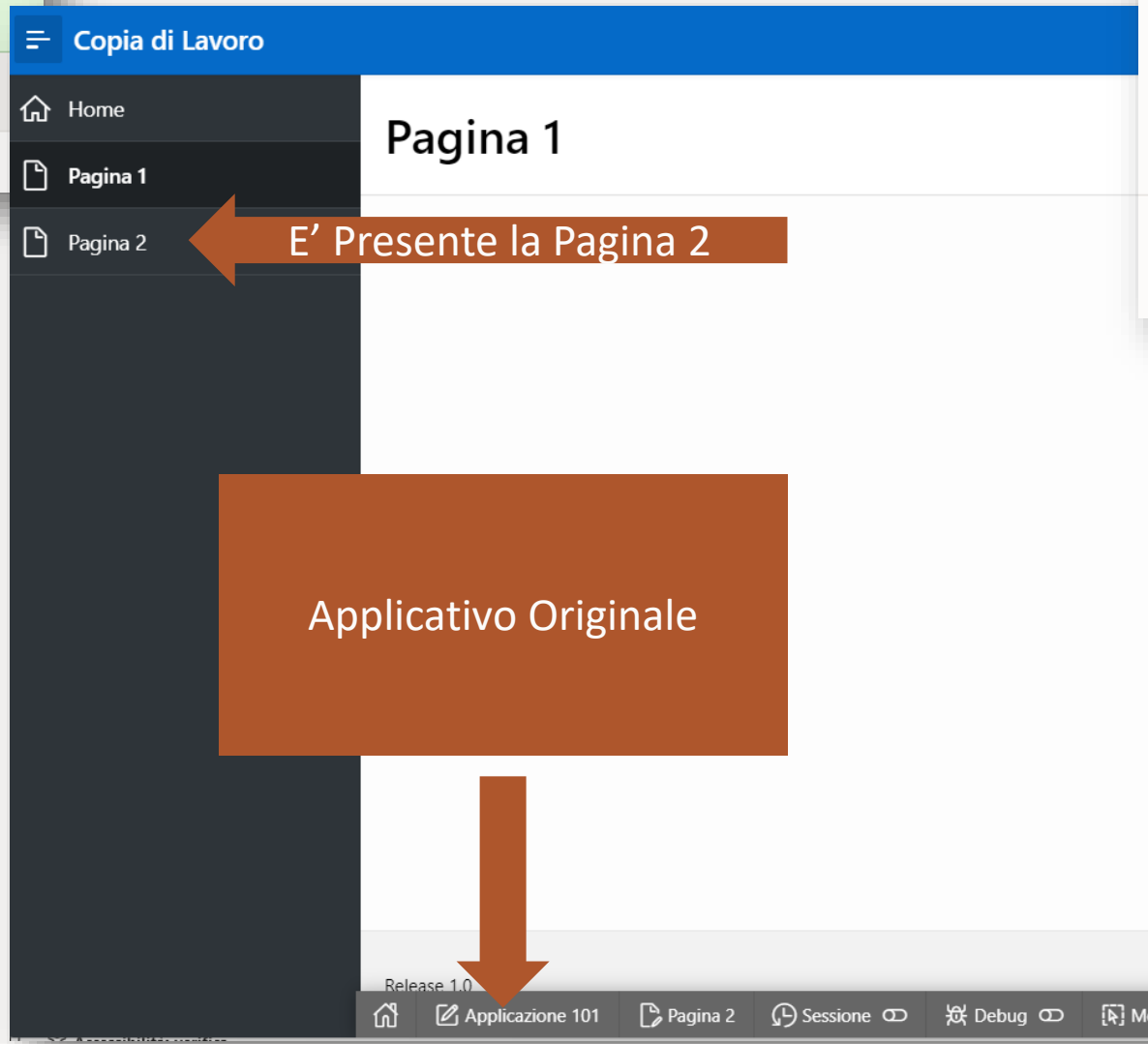

In qualunque momento si può ora eliminare la Copia

(attenzione andate nella copia non nell'originale!!)

Template Directives

Template Directives

- **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)
- **Direttiva WITH**
  - Usa template predefiniti nelle espressioni HTML

Template Directives

[!] 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

Template Directives

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

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

Template Directives

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

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

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

Template Directives

```
{with/}
        TYPE:=IMAGE
        IMAGE:=#PROFILE_IMAGE#
        IMAGE_ALT:=Profile Image
        SIZE:=t-Avatar--lg
        SHAPE:=t-Avatar--circle
        CSS_CLASSES:=u-color-29
{apply THEME$AVATAR/}
```