1)

SELECT a.nome

FROM Artista a

Where a.nome LIKE 'M%';

2)

SELECT o.titulo

FROM ObraArte o, Artista a, Autoria au

WHERE a.nome LIKE 'M%'

AND a.aid = au.autor

AND au.obra = o.oid;

3)

SELECT o.titulo

FROM ObraArte o, Artista a, Autoria au

WHERE o.tipo='pintura'

AND au.autor=a.aid

AND au.obra=o.oid

AND (a.aid IS NOT NULL OR a.aid != ' ' ); **--the column aid from table Artista is not null or empty**

4)

SELECT a.nome, a.aid

FROM Artista a, ObraArte o, Autoria au

WHERE a.ano\_nascimento < 1970

AND au.autor=a.aid

AND (au.obra IS NOT NULL OR au.obra !=' ' )

ORDER BY a.nome;

5)

SELECT a.aid

FROM Artista a

WHERE a.ano\_nascimento > 1980

UNION

SELECT a.aid

FROM Artista a, ObraArte o, Autoria au

WHERE a.aid = au.autor

AND au.obra = o.oid

AND o.ano > 2000;

6)

SELECT DISTINCT a.aid

FROM Artista a, ObraArte o, Autoria au

WHERE (a.ano\_nascimento>'1980'

OR o.ano>2000 )

AND a.aid = au.autor

AND au.obra=o.oid ;

7)

SELECT a. nome, a.aid

FROM Artista a, ObraArte o, Autoria au, Autoria au2, ObraArte o2

WHERE a.pais = 'Italia'

AND a.aid = au.autor

AND a.aid = au2.autor

AND au.obra = o.oid

AND au2.obra = o2.oid

AND o.tipo = 'danηa'

AND o2.tipo = 'arte digital'

ORDER BY a.nome;

8)

SELECT a.nome

FROM Artista a

EXCEPT **--appears the names of artists that are not included in the following statement**

(SELECT a.nome

FROM Artista a, ObraArte o, Autoria au

WHERE a.aid = au.autor

AND au.obra = o.oid

AND o.ano<'2000') ;

9)

SELECT DISTINCT o.titulo

FROM Artista a, ObraArte o, Autoria au

WHERE a.aid=au.autor AND au.obra=o.oid

GROUP BY o.tipo;

10)

SELECT o.tipo, COUNT(a.aid) count **--the number of elements in the aid column**

FROM Artista a, ObraArte o, Autoria au

WHERE a.aid=au.autor AND au.obra=o.oid

GROUP BY o.tipo

HAVING (SELECT AVG(count) **--the average of the number of elements in the aid column**

FROM Artista a );

11)

SELECT a.aid

FROM Artista a, Autoria au, ObraArte o

GROUP BY a.aid

WHERE au.obra=o.oid, a.aid=au.autor

HAVING COUNT (o.tipo)<2

OR

o.oid=' ' OR o.oid IS NULL; **--appears the aid even if the artists doesn't have any piece of art (oid is empty or null)**

12)

SELECT o.titulo, COUNT(au.autor) count **--the number of elements in the autor column**

FROM Autoria au, ObraArte o

WHERE o.oid=au.autor

GROUP BY o.tipo