Λύσεις Άσκησης 4

```sql
1) SELECT lname, fname FROM actors
     WHERE lname like 'K%'
   ORDER BY lname


2) SELECT title, pyear
     FROM movies
    WHERE pyear between 1990 AND 2007
    ORDER BY pyear DESC


3) SELECT title, lname, fname
     FROM movies, directors
    WHERE movies.did=directors.did AND
      pcountry='GRC'
    ORDER BY lname


4) SELECT title, pyear
     FROM movies, directors
    WHERE movies.did=directors.did AND
         lname='Σακελλάριος'


5) SELECT title, pyear
     FROM movies, movie_actor, actors
    WHERE movies.mid=movie_actor.mid AND
         actors.actid=movie_actor.actid AND
         lname='Eastwood'


6) SELECT lname, fname
     FROM movies, movie_actor, actors
    WHERE movies.mid=movie_actor.mid AND
         actors.actid=movie_actor.actid AND
         title='Amelie'


7) SELECT COUNT (DISTINCT copies.mid)
     FROM  copies
    WHERE medium='DVD'


8) SELECT COUNT (copies.barcode)
     FROM copies
    WHERE medium='DVD'


9) SELECT MAX (price)
     FROM copies
    WHERE medium='DVD'


10) SELECT SUM(price)
      FROM copies
     WHERE medium='BLU RAY'
```

```sql
11) SELECT lname, fname, COUNT(movies.mid) AS movies_number
        FROM directors, movies
      WHERE directors.did=movies.did
      GROUP BY lname, fname


12) SELECT lname, COUNT(movies.mid)
        FROM movies, movie_actor, actors
     WHERE movies.mid=movie_actor.mid AND
           actors.actid=movie_actor.actid AND
           lname='Παπαγιαννόπουλος'
      GROUP BY lname


13) SELECT lname, fname
        FROM actors, movie_actor, movies
      WHERE movies.mid=movie_actor.mid AND
            actors.actid=movie_actor.actid AND
            pcountry NOT LIKE 'GRC'


14) SELECT title
        FROM movies, movie_actor, actors
      WHERE movies.mid=movie_actor.mid AND
            actors.actid=movie_actor.actid AND
            lname='Καρέζη'
   INTERSECT

   SELECT title
        FROM movies, movie_actor, actors
      WHERE movies.mid=movie_actor.mid AND
            actors.actid=movie_actor.actid AND
            lname='Κούρκουλος'


15) SELECT title
        FROM movies, movie_actor, actors
      WHERE movies.mid=movie_actor.mid AND
            actors.actid=movie_actor.actid AND
            lname='Καρέζη'
   EXCEPT

   SELECT title
        FROM movies, movie_actor, actors
      WHERE movies.mid=movie_actor.mid AND
            actors.actid=movie_actor.actid AND
            lname='Κούρκουλος'


16) SELECT title
      FROM movies, movie_cat, categories
     WHERE movies.mid=movie_cat.mid AND
           movie_cat.catid=categories.catid AND
           category='Κωμωδία'
```

```sql
        INTERSECT

    SELECT title
        FROM movies, movie_cat, categories
      WHERE movies.mid=movie_cat.mid AND
            movie_cat.catid=categories.catid AND
            category='Αισθηματική'


17) SELECT category, COUNT(movies.mid)
        from categories, movie_cat, movies
      WHERE movies.mid=movie_cat.mid AND
            movie_cat.catid=categories.catid
      GROUP BY category
      HAVING COUNT(movies.mid) >=5


18) SELECT fname, lname, COUNT(movies.mid)
        FROM directors LEFT JOIN movies
             ON directors.did=movies.did
      GROUP BY fname, lname


19) DELETE FROM categories
       WHERE category='Βιογραφία'


20) UPDATE copies
      SET price = 70.00
      WHERE  barcode in (SELECT barcode
                            FROM movies, copies
                              WHERE copies.mid=movies.mid AND
                       medium='DVD' AND
                       title= 'Amelie')
```