

**Ahsanullah University of Science and Technology**  
**Assignment**  
**Set - Even**

**CSE 3104 – Database Lab**

Write 10 SQL queries on a relational movie database as part of this assignment.

- *ACTOR* (id, fname, lname, gender)
- *MOVIE* (id, name, year, rank)
- *DIRECTOR* (id, fname, lname)
- *CAST* (p\_id, mid, role)
- *MOVIE\_DIRECTOR* (d\_id, m\_id)

*id* column in ACTOR, MOVIE & DIRECTOR tables is a key for the respective table.

CAST.p\_id refers to ACTOR.id, CAST.mid refers to MOVIE.id

MOVIE\_DIRECTOR.did refers to DIRECTOR.id and MOVIE\_DIRECTOR.mid refers to MOVIE.id

NB: you can check the zip file to know how the data table will look like.

1. List all the directors who directed a film in a leap year
2. List all directors in ascending order of the number of films they directed
3. Find the film(s) with the largest cast.
4. Find all the actors who acted in films by at least 10 distinct directors (*i.e.* actors who worked with at least 10 distinct directors).
5. Find all actors who acted only in films before 1960.
6. Find the decade with the largest number of films.
7. List all the actors who acted in at least one film in 2nd half of the 19th century and in at least one film in the 1st half of the 20th century
8. List first name and last name of all the actors who played in the movie 'Officer 444 (1926)'
9. Find the films with more women actors than men.
10. For every actor, list the films he/she appeared in their debut year. Sort the results by last name of the actor.