Views (Virtual Tables)

• **View** – a single table derived from other tables. The tables can be **base tables** or other previously defined views.

• A **view** doesn’t always exist in a physical form in contrast to **base tables**

• To create a view we use the command:
  
  `CREATE VIEW viewname AS <query expression>`

  `<query expression>` is any legal expression.
Views (Virtual Tables)

DB: Socialnet

profile(id, firstName, lastName, username, politicalViews, lookingFor)
netgroup(id, description, public, creator_id)
member(g_id,p_id, status)

- **Example:** Create a view for the last names and political views for the users who are members in the group created by Jan, i.e. a view with the schema Jansgroup(lastName, politicalViews)

```
CREATE VIEW Jansgroup
AS SELECT p.lastName, p.politicalViews
    FROM profile p, netgroup n, member m
    WHERE n.creator_id = p.id AND p.firstName = "Jan"
    AND n.id = m.g_id AND m.p_id=p.id;
```