Relations

- Like a table
- $R(A, B, \dots)$
    - R = name of relation
    - A, B = Set of attributes = also written AB = also written $\overline{A}$
- Arity of relation = Number of attributes
- $R(A_1, A_2, \dots, A_n)$ is an n-ary relation
- $Domain(A)$ = set of values that A can have
- Use $Attra(R)$ to find attributes of R
- Extent of $R(A, B, \dots)$ = set of tuples
- Each row is a tuple
- Tuples
    - Not ordered
    - No duplicates
    - All tuples have same arity