

Functional Dependencies and Normal Forms Format

1. **Relation names:** R, R1, R2, ...
2. **Attribute names:** single letter uppercase A, B, ...
 - **Exception:** attribute names cannot start with F (*set of functional dependencies*) or R (*relation names*).
 - **Set of attributes:** either lowercase (a, a1, ..., b, ...) for an arbitrary attributes or a multi-letter uppercase (AB, CD, AA, ...) for a known set of attributes.
 - **Superkeys, Keys, Prime Attributes:** this follows *set of attributes* above but only using multi-letter uppercase without comma.
3. **Relations:** R(A, B, C), R1(B, E, G), ...
 - **Set of relations:** semi-colon separated values enclosed within curly brackets: {R1(A, B, C); R2(B, E, G); R3(A)}.
4. **Functional dependencies:** A -> B, AB -> CD, ...
 - **Set of functional dependencies:** comma-separated values enclosed within curly brackets: {A -> B, AB -> CD, DE -> AD}.