Important definitions to remember related with Relations:

Let A and B are two sets. In domain, co-domain and range of a relation, if R be a relation from A to B then

    Domain of relation R (Dom(R)) is the set of all those elements a $\in$ A such that (a, b) $\in$ R for some b $\in$ B.
    If R be a relation from A to B, then B is the co-domain of R.
    Range of relation R is the set of all those elements b $\in$ B such that (a, b) $\in$ R for some a $\in$ A.

In short: Domain = Dom(R) = {a : (a, b) $\in$ R} and Range (R) = {b : (a, b) $\in$ R}

Note: Range is always a subset of co-domain.