

<b>Domain</b>	Set of atomic values specified by a <b>Data type</b>
<b>Atomic</b>	Each value indivisible
<b>Attribute</b>	Name of a role played by some domain $D$ in the relation schema $R$
<b>Degree</b>	Number of attributes in a relation
<b>Cardinality</b>	Total number of values in domain
<b>Constraints</b>	Restrictions on the actual values in a database state
<b>Inherent model-based constraints</b>	Inherent in the data model .Example ,duplicate tuples are not allowed in a relation
<b>Schema-based constraints</b>	Can be directly expressed in schemas of the data model
<b>Application-based</b>	Cannot be directly expressed in schemas
<b>Superkey</b>	No two distinct tuples in any state $r$ of $R$ can have the same value
<b>Key</b>	A minimal superkey of $R$ . Removing any attribute $A$ from $K$ leaves a set of attributes $K$ that is not a superkey of $R$ any more
<b>Candidate key</b>	Relation schema may have more than one key
<b>Primary key</b>	A designated candidate key .Other candidate keys are designated as <b>unique keys</b>

<b>Entity integrity constraint</b>	No primary key value can be NULL
<b>Referential integrity constraint</b>	A constraint involving two relations , Maintains consistency among tuples in two relations
<b>Semantic integrity constraints</b>	May have to be specified and enforced on a relational database
<b>Functional dependency constraint</b>	Establishes a functional relationship among two sets of attributes X and Y
<b>State constraints</b>	Define the constraints that a valid state of the database must satisfy
<b>Transition constraints</b>	Define to deal with state changes in the database
<b>Participation constraint</b>	Specifies whether existence of entity depends on its being related to another entity
<b>Specialization</b>	is the process of defining a set of subclasses of a superclass
<b>Generalization</b>	is the reverse of the specialization process
<b>predicate-defined</b>	If we can determine exactly those entities that will become members of each subclass by a condition
<b>user-defined</b>	A subclass not defined by a predicate