> DIMENSION 8-

The number of element in the finite basis of a vector space V(F) is called the dimension of the vector space. It is denoted by dimv and if dimv=n then V is called n-dimensional vector space.

Finile Dimensional Vector Space:A vector space V(F) is soid to be
finile dimensional vector space if it
has a finite basis.

Infinite Dimensional vector spaces-A vector space V(F) is said to be infinite dimensional vector space it has a infinite basis.