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**Generic Array-Based Structures:**

Any type of node could be stored in the structure.Certain considerations must be followed in the design of the structure. The client application specifies the type of nodes that will be stored in the structure .The generic features of Java are used in the structure’s generic implementation.

Six design features of generic data structure:

1.The node definition and the data structure are coded as two separate classes

2.The data structure cannot mention the names of the data fields that make up a node

3.If the structure is going to be encapsulated, a method to perform a deep copy of a node must be coded in the node definition class

4.If the structure is going to be accessed in the key field mode, a method to determine if a given key is equal to the key of a node must be coded in the node definition class

5.The data structure code cannot mention the name of the node class

6.The data structure code cannot mention the key field’s type