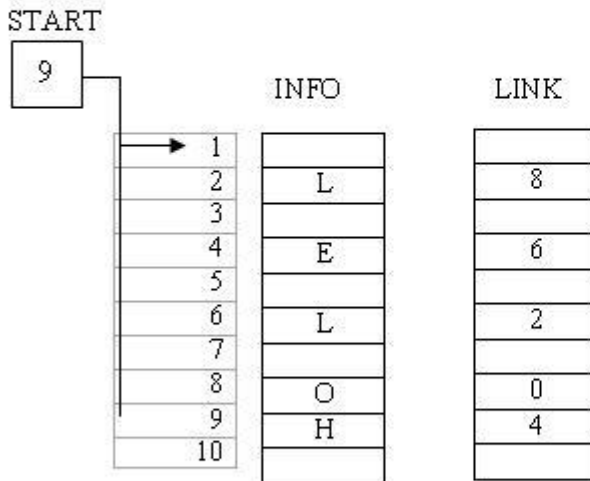
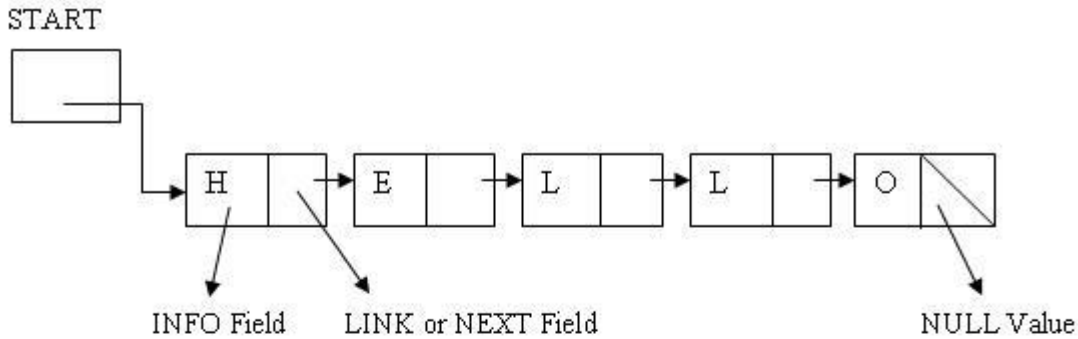


Memory Representation of Linear Linked List:

Let LIST is linear linked list. It needs two linear arrays for memory representation. Let these linear arrays are INFO and LINK. INFO[K] contains the information part and LINK[K] contains the next pointer field of node K. A variable START is used to store the location of the beginning of the LIST and NULL is used as next pointer sentinel which indicates the end of LIST. It is shown below:



Here

START = 9	=>	INFO[9] = H is the first character.
LINK[9] = 4	=>	INFO[4] = E is the second character.
LINK[4] = 6	=>	INFO[6] = L is the third character.
LINK[6] = 2	=>	INFO[2] = L is the fourth character.
LINK[2] = 8	=>	INFO[8] = O is the fifth character.
LINK[8] = 0	=>	The NULL value, so the LIST ends here.