Designated initials

$arr[i] = *(arr+i)$

$arr[i][j] = *(arr[i]+j)$

$arr[i][j] = *(*(arr+i)+j)$

Note: ① Array Name behaves like constant pointer (Rvalue) which means when we try to assign an add to array Name we will get compiler error.

int arr[5]; int k;

~~arr~~

$arr = &k$ // illegal

② we can create an array of void * but we cannot create an array of void

③ we can create an array of fn ptr. but we cannot create an array of fn

Storage for string

* In C string can be referred as either character pointer or character array.

= [d]

* char str[4] = "GFG" //This will be automatically terminated, insert '\0' (Null)

* char str[4] = {'G','F','G'}; This will not be automatically Null terminated we have to explicitly put Null there