

Array of Pointers <pre>int *ptr[arraySize] = array of pointers, pointing to int</pre>	Pointer vs array <pre>int b[10]; int *bptr; bptr=b; OR bptr=&b[0]; *(bptr+3) // shows the value of b[3] bptr+3 // points to &b[3] //an array can be used like a pointer too -> *(b+3)- =value of b[3] //pointer to an array can be used like an array -> bptr[3] = value of b[3]</pre>	Pointer to pointer <pre>A pointer to a pointer is a form of multiple indirection or a chain of pointers int var; int *ptr; int **pptr; var = 3000; ptr = &var; // take the address of var pptr = &ptr;// take the address of ptr using address of operator &</pre>
Pointer to function <pre>int (*FuncPTR)(int a,int b); //called funcptr is a pointer to function // actually is used as a parameter of another func and can pass any func to the desired func as a parameter with this method int func1(int); int func2(int); int func3(int (*FuncPTR)(int)); now we can pass func1 or func2 to func3 ;</pre>		
Array of Pointers to functions <pre>void (*f[3])(int)= {function1,function2,function3}; // f is an array of pointers , pointing to functions of type void which all of them take one parameter of type int .</pre>	NULL pointer <pre>int *ptr = NULL; //The value of ptr is 0 if(ptr) // succeeds if p is not null if(!ptr) // succeeds if p is null</pre>	Return pointer from functions <pre>int * getRandom() { static int r[10]; return r; } // main function to call above defined function. int main () { int *p; p = getRandom(); }</pre>
	passing pointers to functions WHEN PASSING ARGUMENTS <pre>unsigned long sec; getSeconds(&sec);</pre> IN FUNCTION HEADER <pre>void getSeconds(u- nsigned long *par)</pre>	Array of strings <pre>char *color= {"red","blue","yellow",'green'}; //color is an array of pointers , pointing to the first character of each string</pre>



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