All about Pointer

**ARRAY:**

**Data\_type(\*pointer\_name)[sizeof\_array]**

**Exm:** int(\*q)[4]

* It means ‘q’ is a pointer to an array of ‘4’

Elements...

**Data\_type\*array\_name[sizeof\_array] Exm:** int\*q[4]

* It means array of integer pointers i.e. an

Array contains ‘4’ pointers which points to 4 integer value.......

**STRING:**

* **Data\_type string\_name[sizeof\_string]**
* **Data\_type\*pointer\_name**

**Exm:** char str[20]

Char\*p & p=str or p=&str;

* It means ‘p’ is pointer ..It points to string..
* **Data\_type\*string\_name[sizeof\_string]**

**Exm:** char\*q[20]

* Array of pointers to string i.e. an array of pointers who`s each pointer(array element) points a particular string...

**FUNCTION:**

* **Function\_return\_type(\*pointer\_name)(function\_argument\_list) pointer declaration**

**Exm:** double (\*p2f)(double,char)

* Here **double** is return type of function,`**p2f**` is name of the function pointer and (double,char) is argument list of this function is of double type and second argument is char type...

**##** void (\*fun\_ptr)(int)=&fun;

Or

Void (\*fun\_ptr)(int);// function pointer declaration

Ptr=&fun or ptr=fun;//address assing to pointer