Difference between pointer to an array and array of pointers

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Parameters	Pointer to An Array	Array of Ponters I
Known as	Array Pointer	Pointer Arrays
Uses of Purposes	user Creates the Ponter For Storing the address of any given array	user creates the Array I p. Wers that acts as an ourray of multiple power Variables.
intralization at Definition	you Carnot intrative a Pointer to The definition	you introlize an array and et the definition kill
Intrature	Dynamoc	Static
Allocation ce essí/JEN	Can be allocated during huntine	Can be allocated during Compile time
Resiling	One Con easily resite the allocated memory of a pointer later at any order time (Dynamic)	we declare 87e f an array that Cannot be resiled at anytime, de want according to Our regurements (static)
Storage No	The state of the s	The Site of any given of
(code -i)	Coupiler . S Assembler .	Runtine & Runtine & Linker -> Enecutable &

Pointer to function

- **1)**Unlike normal pointers, a function pointer points to code, not data. Typically a function pointer stores the start of executable code
- **2)** Unlike normal pointers, we do not allocate de-allocate memory using function pointers.
- **3)** Like normal pointers, we can have an array of function pointers. Below example in point 5 shows syntax for array of pointers.
- 4)A function's name can also be used to get functions' address.
- **5)** Function pointer can be used in place of switch case.
- **6)** Like normal data pointers, a function pointer can be passed as an argument and can also be returned from a function.

