

- (i) $\text{int } *p$ \rightarrow p is a pointer to an integer quantity
- (ii) $\text{int } *p[10]$ \rightarrow p is an array of pointer \rightarrow I.P
- (iii) $\text{int } (*p)[10]$ \rightarrow p is a pointer to an array \rightarrow I.P
- (iv) $\text{int } *p(\text{void})$ \rightarrow p is a function \rightarrow *pointer Integer
- (v) $\text{int } p(\text{char } *a)$ \rightarrow
 \rightarrow p is a function which accepts an argument which returns a character type pointer

\downarrow
 $p(\text{char } *a)$
 $\uparrow \uparrow$
 $p(\text{char } *)$

$\text{int } \leftarrow p(\text{char } *a)$
 \uparrow
 var

- (vi) $\text{int } *p(\text{char } *a)$
 \rightarrow p is a pointer which accepts arguments which is a pointer of character type. Returns pointer (Integer)

$p(\text{char } *a)$
 \downarrow
 $*p(\text{char } *a)$
 \downarrow
 int pointer

- (vii) $\text{int } (*p)(\text{char } *a)$ \leftarrow function (pointer)
 \downarrow
 p is a pointer to a function which accepts an argument which is a character type pointer and returns integer quantity

$(*p)(\text{char } *a)$
 \downarrow
 pointer (function)

- (viii) $\text{int } (*p(\text{char } *a))[10];$ \rightarrow

p is a function which accepts an argument of character type pointer. Returns a pointer to a 10-element array

$(p(\text{char } *a))$

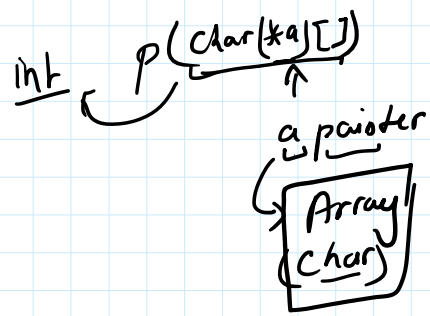
$*p()$
 \downarrow
 int

- (ix) $\text{int } p(\text{char } (*a)[10]);$

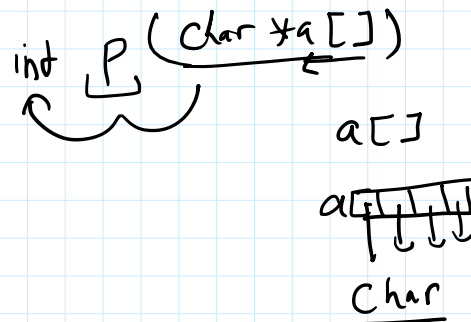
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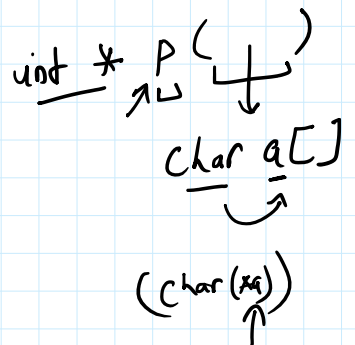
(ix) $\text{int } p(\text{char } (*a)[]);$
 p is a function that accept an argument which a pointer to character array
 Return I.O



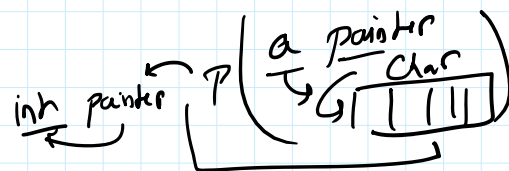
(x) $\text{int } p(\text{char } *a[]);$
 p is function that accept an argument which a an array of pointer to character
 Return I.O



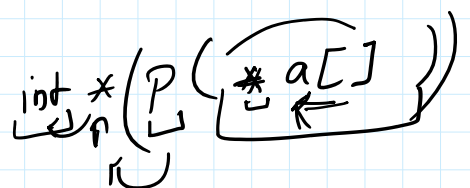
(xi) $\text{int } * p(\text{char } a[])$
 p is point that accept an argument which a array (char) Return a pointer to an I.O



(xii) $\text{int } * p(\text{char } (*a)[]);$
 p is function that accept an argument which a pointer to (char) Array
 Return a pointer to I.O



(xiii) $\text{int } * p(\text{char } * a[])$
 p is function that accept an argument which is an array of pointer (char)
 Return a pointer of I.O



... (char (*a)[]);

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(Xiv) \rightarrow $\text{int } (*p)(\text{char } (*a)[\]);$

p is pointer to a function that accept an argument which a pointer character Array

Return I.Q

(
 $(*p)$ ($(*a)$ $[\]$)
 integer p \rightarrow function(
 pointer a \rightarrow character array

(Xv) \rightarrow $\text{int } * (*p)(\text{char } (*a)[\]);$

Return a pointer I.Q

(Xvi) \rightarrow $\text{int } * (*p)(\text{char } *a[\]);$

p is pointer to a function that accept argument which a array of pointer (char)
 Return pointer I.Q

(
 $(\text{char } *a[\])$;
 $*a[\]$
 (char)
 $*p$ \rightarrow function(
 pointer a \rightarrow character array

(Xvii) \rightarrow $\text{int } (*p[10])(\text{void})$

p is 10-element Array of pointer to function, each function
 Return I.Q

(
 (void)
 \rightarrow function x
 $(*p[10])$
 $(*p[10])$

(Xviii) \rightarrow $\text{int } (*p[10])(\text{char } a);$

p is 10-element Array to function which accept an argument (char a)
 each function, Return I.Q

(Xix) \rightarrow $\text{int } * (*p[10])(\text{char } a);$
 each function Return a pointer of I.Q

(Xx) \rightarrow $\text{int } * (*p[10])(\text{char } *a);$
 each function accept an argument pointer of character type

?)
)

(xx) int * (*p [10]) [10] ...
function accept an argument
which a pointer of character

