Time: Date: / /

Hwhat is pointer?

A pointer is a variable that contain adres address of another variable. Pointers are used to store and manage the addresses of dynamically allocated blocks of memory.

Fire How to declare the pointer variable in priogramming to Fore pointed declaration, using the asterisk (*) operator. The declaration of a pointer variable takes the following tourn:

data-type *pt-name;

Declares the variable pas a pointer variable that points to an integer data type of the type int refers to the data type of the variable being pointed oto by pandinot the type of the value of the pointer.

1/4: Appointent variable can be prusixed and on

post fixed due the increemento long decreemen

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operator.

value of the pointerc.

5. An integer value may be added on substracted trom a pointer varciable nicy 6. When two pointers point to the same array, one pointer variable can be substructed from passing. Penameter passing can bestern I what are the reules for pass by pointeres! The following rules -1. The types of the actual and formal arguments must be same? 2. The actual arguments must be the addresses of variables that are local to the calling function 3. The foremal arguments in the function header must be predixed by the indirection operator (*). 4. In the prototype, the arguments must be prefixed by the symbol (*) mupino of bom 5. To access the value of an actual argument in the called function, we must use the ourresponding formal argument prufixed with the indirection operator (*). use pass by value to pass arguments. Pass by pointers method is often used u manipulating aurays and strangs. This method is also used when we require malliple values to be resturined by the Tunction

To to Atwhat are the difference between Passiby value and pass by pointeresumov sisting is most The technique is to pass data from one function to another is known as percametreen passing. Percameter passing can be done in 1. Pass by value (also known as call by value) pointeres) 1 The difference between passiby value and pass by pointeres is that modifications to bed made to arriguments passed in by value in The called function cannot reffect them calling function whereas modifications made to areguments passed by pointeres (contme the called function have effect the address if we want to modify the argument value in the calling function. Othercuise, use pass by value to pass arguments. Pass by pointers method is often used when manipulating arcrays and strings. This method is also used when we require maltiple values to be resturened by the called Junction.

beton Arwhat and the difference between Passiby value and pass by pointeres was relining a mont The technique is to pass data from one function to another is known as percametree passing. Percameter passing can be done in tollouing two wags of polipers of portioned 1. Pass by value (also known as call by value) Pointers (also known as call by pointers) 19229) The difference between massiby value and passiby pointeressis that modifications to nabel made to arguments passed in by value in (1) 210 the caucit function dannot reffects them eating functions whereas modifications made to arriguments passed by pointeres (conttrofine the called function travel effect the memory if we want to modify the argument value in the calling function. Othercuise, use pass by value to pass arguments. Pass by pointers method is often used when manipulating arcrays and strings. This method is also used when we require maltiple values to be resturined by the called