a void pointers in ctto cotalog (1)

A void pointer in ctt is a pointer that can point to any data type void Pointer are also known as Generic Pointer because they can be used to point to any type of object or data. Void Pointers are declared using the Reyword "void" as the pointer type.

Syntax:

void *ptr;

This pointer can be used to point to any type of data, but we cannot deference it directly since the compiler does not know the datatype

it is pointing to.

To use a void pointer, we must first cast it to a specific datatype. For example - if we want to use a void pointer to point to an integer we can cast it to an int & datatype

void * ptr; int X = 10; ptra&X; int * intPtr = static_cast <int * >(ptr); cout << * intPtr;

"static_cast" operator is used to cast the void pointer to an into pointer it tells the compiler that the void

Date..... pointer should be interpreted as a pointer to an integer. void pointer are commonly used in ctt for Dynamic Memory allocation using the new operator, when we allocate memory dynamically using new, the type of the allocated memory is determined at runtime we can use a void pointer to the 2 dynamically allocated memory & then cast it to the appropriate datatype when we need to use it. avait religions of too sitotalle ston VALOD STIF HORESTERNOOM IN VOTOVOOR Water Service and Contract of the section of the continue that continue the continue the we been abor out activities was yeld SE SECRETARION OF OND HI VOUNDING HOOD toblett of senstalls to line and tros MINES AVERTON SOMEONINE SOME LOOM

* static_cast operator:

In ctt, static_cast is a casting opera =
-tor that is used to convert a value =
from one datatype to another.

Syntax:-

static_cast (new-type) (expression);

"new type" is the datatype in which we want to cast the expression. The expression can be a variable, a lite -val or any valid expression in ctt.

Note: - static-cast is a compile time operator, it means that the conversion on is done at compile time rather than at runtime. This can result in faster code execution since the compiler can optimize the code based on the specific datatype that are being used. However, it also means that the cast can fail at runtime if the data types are not compatible.

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