4. Pointers, Comma Operator

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int * htn; get value stored at address & some int variable

dereferencing sperates

int a = 2;

plan = &a;

printf ("%p", ptn):] -> prints address

printf ("%d", * ptn):] -> prints value (2)

* ptn = 5;] -> "a" value is set to 5

Note: Size of pointer rumains the same regardless of its databype. It is implementation dependent.

Jornat specifier for address: 90p/90x

NOTE:

* per: Ba;] -> traises a warning in compilation. If program is run, address is stored in a as an integer (on whatever type was defined)

Why different pointers based on detatype?

When using * hts to fetch the value at an address, the number of leytes fetched depends on the datalype allocated. For example:

chan * pla = a;] -> fetches only one leyter int * pla = a;] -> fetches four beytes

COMMA OPERATOR

· Sequence point operation: First LHS is evaluated, result and any sideoffects are diregarded when control goes to RHS.

int a = 1, b = 2, c = 3, result; result = (aৣ, bৣ, c); printf("Result: %d\n", result); return 0;

Result: 3

```
#include <stdio.h>
int main()
{
    int a = 5;
    int b = 0;
    int c;
    c = (++a, b++, a++, b--, a++); // comma operator
demonstration with increment and decrement
    printf("a = %d, b = %d, c = %d\n", a, b, c);
    return 0;
}
```

a = 8, b = 0, c = 7