

Pointers in C

A pointer is a variable that stores the memory address of another variable.

Syntax:

```
datatype *pointer_name;
```

Example:

```
int a = 10;  
int *ptr = &a;  
printf("Address of a: %p", ptr);  
printf("Value of a: %d", *ptr);
```

Pointer Arithmetic:

- `ptr++`, `ptr--`
- `*ptr`: dereferencing