

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