

Calloc, Malloc functions part of dynamic memory allocation.

Syntax:

```
malloc(n);
```

Prototype:- $(\text{data_type}^*)\text{malloc}(n);$

Pointer returned by function malloc() will point.

Syntax:

```
p = (t*)calloc(n, b);
```

(t*) does the type casting to type t as in case of malloc().

An array of each element require b bytes and carry k Elements

```
p = (t*)calloc(k, b);
```

→ Allocation by malloc()

```
p = (t*)malloc(k*b);
```

Syntax:- Structure of a coding language.

Semantics:- Meaning Assigned to the Symbol.

Dangling Pointer:- A dangling pointer which points to memory location where an object no longer exist.