COMP1511 Tutorial 8

malloc | linked lists

malloc

Allocates memory that persists outside local scope i.e. won't be deleted when a function ends.

```
void *malloc(size_t size)
```

Takes the amount of memory to be allocated and returns the address of the allocated memory.

Visualising Linked Lists

```
struct node {
    int data;
    struct node *next;
};
```

struct node

int data struct node *next int data = 1 struct node *next = 0xFF40

0xFF00

int data = 3 struct node *next = 0xFFA0

0xFF40

int data = 5
struct node
*mext = NULL

0xFFA0

