

# Memory Allocation in C Programming

The process of allocating memory during program execution is called dynamic memory allocation. The following table are displaying function taht used in dynamic memory allocation in c programming.

<b>Sr.No</b>	<b>Functions</b>	<b>Descriptions</b>
01	malloc	Allocates request size of bytes and returns a pointer to the first byte of the allocated space.
02	calloc	Allocates space for an array of elements, initializes them to zero and then returns a pointer to the memory.
03	free	Frees previously allocated space.
04	realloc	Modifies the size of previously allocated space.

## Example Using Malloc

```
int *x;  
x = (int*)malloc(50 * sizeof(int));  
free(x);
```