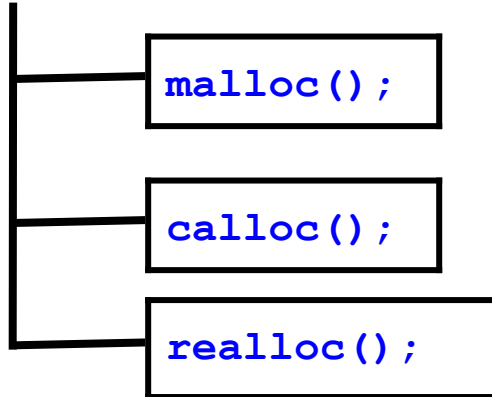


Dynamic Memory Allocation

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Dynamic Memory Allocation

Functions

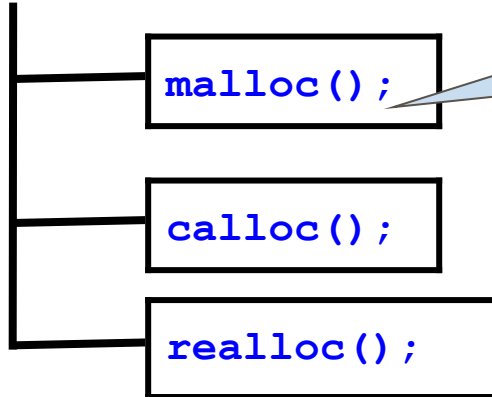


Header File

```
# include <alloc.h >
```

Dynamic Memory Allocation

Functions



`ptr = (cast type) malloc(byte-size);`
e.g.

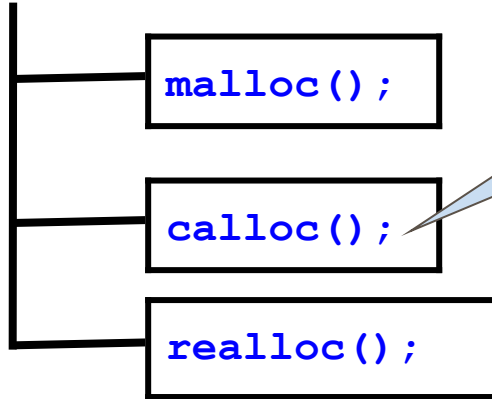
`ptr = (int*)malloc(n*sizeof(int));`

Header File

```
# include <alloc.h >
```

Dynamic Memory Allocation

Functions



`ptr = (cast type) calloc(n, element-size);`
e.g.

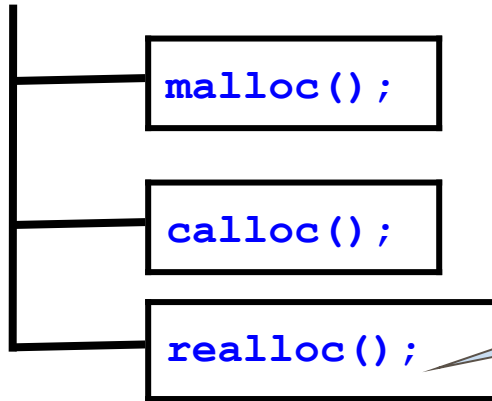
`ptr = (int*)calloc(n, sizeof(int));`

Header File

```
# include <alloc.h >
```

Dynamic Memory Allocation

Functions



`ptr = (cast type) realloc(n, element-size);`
e.g.

`ptr = (int*)realloc(n, sizeof(int));`

Header File

```
# include <alloc.h >
```

Dynamic Memory Allocation

```
#include<stdio.h>
#include<conio.h>
#include<alloc.h>
main()
{
    int *p, i, n;
    printf("\n How many elements : ");
    scanf("%d", &n);

    p = (int*)malloc(n*sizeof(int));

    printf("\n Enter the array : ");
    for (i =0; i<n; i++)
        scanf( "%d", &p [i]);

    for(i=0;i<n;i++)
        printf( "%d", p [i]);
}
```