

## C library function - atoi()

### Description

The C library function **int atoi(const char \*str)** converts the string argument **str** to an integer (type int).

### Declaration

Following is the declaration for atoi() function.

```
int atoi(const char *str)
```

### Parameters

- **str** – This is the string representation of an integral number.

### Return Value

This function returns the converted integral number as an int value. If no valid conversion could be performed, it returns zero.

### Example

The following example shows the usage of atoi() function.

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

int main () {
    int val;
    char str[20];

    strcpy(str, "98993489");
    val = atoi(str);
    printf("String value = %s, Int value = %d\n", str, val);

    strcpy(str, "tutorialspoint.com");
    val = atoi(str);
    printf("String value = %s, Int value = %d\n", str, val);
}
```

[Live Demo](#)

```
    return(0);  
}
```

Let us compile and run the above program that will produce the following result –

```
String value = 98993489, Int value = 98993489  
String value = tutorialspoint.com, Int value = 0
```