

C library function - srand()

Description

The C library function **void srand(unsigned int seed)** seeds the random number generator used by the function **rand**.

Declaration

Following is the declaration for srand() function.

```
void srand(unsigned int seed)
```

Parameters

- **seed** – This is an integer value to be used as seed by the pseudo-random number generator algorithm.

Return Value

This function does not return any value.

Example

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

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

int main () {
    int i, n;
    time_t t;

    n = 5;

    /* Intializes random number generator */
    srand((unsigned) time(&t));

    /* Print 5 random numbers from 0 to 50 */
    for( i = 0 ; i < n ; i++ ) {
        printf("%d\n", rand() % 50);
    }
}
```

[Live Demo](#)

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

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

```
38  
45  
29  
29  
47
```