

C LIBRARY FUNCTION - SRAND

http://www.tutorialspoint.com/c_standard_library/c_function_srand.htm

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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);
    }

    return(0);
}
```

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

```
38
45
29
29
47
```

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