

## 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, this will produce the following result:

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