

Function signal () in C

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Declaring the signal () function in C

Below is the declaration for signal () function in C:

```
void (* signal ( int sig , void (* func )( int )))( int )
```

Parameters

sig - This is a digital signal for a processing function to be set. Listed below are some important digital signals.

macrosignal
 SIGABRT (Signal Abort) Abnormal termination
 SIGFPE (Signal Floating-Point Exception) Operation related to arithmetic is not correct, such as dividing by zero or overflow
 SIGILL (Signal Illegal Instruction) A function instruction
 SIGINT (Signal Interrupt) valid signal, usually created by user application
 SIGSEGV (Signal Segmentation Violation) Invalid access to storage, when a program tries to read or write outside the memory
 SIGTERM (Signal Terminate) The end request is sent to the program
func - This is a pointer to a function. This can be a function defined by a programmer or one of the predefined functions:

SIG_DFL Default handling: Signals are handled by the default action for that specific signal.
 SIG_IGN Ignore the signal: The signal is ignored.

Returns the value

This function returns the previous value of Signal Handler or SIG_ERR on the error.

For example

The following C program illustrates the usage of the signal () function in C:

```
#include #include #include #include void sighandler ( int ); int main () { s
```

Compiling and running the above C program will create an infinite loop. To exit the program, press CTRL + C.

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