

Debugging Using GDB

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Abstract

Using GDB

1 Introduction

GDB is a debugger that can be used to debug C programs. Errors can be of the following types:

- Specification Error: Error in specifying certain values.
- Design Error: Error in designing structure and algorithms.
- Coding Error: Error while typing.

2 Usage

GDB is used with gcc C compiler.

To use GDB program must be compiled using -g flag.

Commands	Usage
run	run the program
continue	continue execution till next breakpoint
b <line number>	Set breakpoint at specified line number.
f	Enter the frame
bt	backtrace
q	quit

To invoke GDB use command \$ gdb executable