

`gdb`

March 30, 2017

Запуск

```
$ gcc -o main -g main.c
```

```
$ gdb main # or gdb -p 1234
```

Breakpoints

```
(gdb) break main.c:main
```

```
Breakpoint 1 at <address>: file main.c, line 46.
```

```
(gdb) break function
```

```
Breakpoint 2 at <address>: file main.c, line 30.
```

```
(gdb) break 42
```

```
Breakpoint 3 at <address>: file main.c, line 42.
```

```
(gdb) delete 1
```

```
(gdb) delete
```

Просмотр кода

```
(gdb) list
```

```
(gdb) list function
```

```
(gdb) list main.c:func
```

Исполнение программы

(gdb) run

(gdb) run arg1 arg2

(gdb) step

(gdb) stepi

(gdb) next

(gdb) continue

Изучение стека

```
(gdb) backtrace
```

```
(gdb) bt
```

```
(gdb) frame
```

```
(gdb) frame 3
```

Изучение контекста

```
(gdb) p <expr>
```

```
(gdb) x <addr>
```

```
(gdb) x /<fmt> <addr>
```

Условия на breakpoint

```
(gdb) condition <breakpoint> <condition>
```

Moar

- ▶ сокращенные команды

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- ▶ встроенная помощь по командам

```
(gdb) help <command>
```

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```
(gdb) help <command>
```

- ▶ скрипты

```
$ gdb -command=file command
```

```
$ gdb -batch -command=file command
```