# GDB ????

- gdb □□□□

# gdb ????

## ??

```
SH$ gdb program           # program□□□□□□□□□□□□□□□□
$ gdb program core      # gdb□□□□□□□□□core□□□core□□□□□□□□□□□□
$ gdb program pid       # □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ID□gdb□□□attach□□□□□□□□program□□□
PATH□□□□□□□□□□
```

## ??

```
SH(gdb) r/run             # □□□□□□
(gdb) c/continue        # □□□□
(gdb) n/next            # □□□□□□□□□□□
(gdb) s/step            # □□□□□□□□□□
(gdb) ni/si             # □□□□□□ni□si□□□□
(gdb) fini/finish       # □□□□□□□□□/□□□□
(gdb) u/util            # □□□□□□□□□□□□□□u□□□□□□□□□□□□□□□□□□□□□□□□

(gdb) set args          # □□□□□□□□□□□set args 10 20 30
(gdb) show args         # □□□□□□□□
(gdb) path <dir>        # □□□□□□□□□
(gdb) show paths        # □□□□□□□□□
(gdb) set env <name=val># □□□□□□□□□set env USER=chen
(gdb) show env [name]   # □□□□□□
(gdb) cd <dir>          # □□□shell□cd□□
(gdb) pwd               # □□□□□□□□

(gdb) shell <commond>   # □□shell□□
```

## ??/????(breakpoint)

```
SH(gdb) b/break linenum/func      # □□linenum□□function□□□
(gdb) b/break +/-offset         # □□□□□□/□offset□□□
(gdb) b/break filename:linenum  # □□□□filename□linenum□□□
(gdb) b/break filename:func     # □□□□□function□□□□
(gdb) b/break *address          # □□□□□address□□□
(gdb) b/break                   # □□□□□□□□□□□□□□□
(gdb) b/break if <condition>    # □□□□□□□□□□□□□□break if i=100

(gdb) info break [n]            # □□□□□ n□□□□□
```

# ??/?????(watchpoint)

```
SH# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) watch <expr>              # □□□□□□□□
(gdb) rwatch <expr>             # □expr□□□□□□□
(gdb) awatch <expr>             # □expr□□□□□□□□□□

(gdb) info watchpoints          # □□□□□□□
```

# ??/?????(catchpoint)

```
SH# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□C++□□□□
(gdb) tcatch <event>            # □□□□□□□□
(gdb) catch <event>             # □event□□□□□□□□□□□□
# throw             □□c++□□□□□□throw□□□□□
# catch             □□C++□□□□□□□catch□□□□□
# exec              □□□□□□exec□□□□HP-UX□□□□
# fork              □□□□□□fork□□□□HP-UX□□□□
# vfork             □□□□□□vfork□□□□HP-UX□□□□
# load [file]       □□□□□□□□□□□□□□□□HP-UX□□□□
# unload [libname]  □□□□□□□□□□□□□□□□HP-UX□□□□
#
```

# ?????

```
SH# □□□□□□□□□□□□□□□□□□gdb□□□□□□□□□□□□□□□□□□□□□□□□delete□clear□disable□enable□□□□
(gdb) clear                     # □□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) clear <fuction>           # □□□□□□□□□□□□□□
(gdb) clear <file:line>         # □□□□□□□□□□□□□□□
(gdb) d/delete [n]/[m-n]        # □□□□□□□□□□□□□□□□□□□□m-n

# □□□□□□□□□□□disable□□□□disable□□□□□□GDB□□□□□□□□□□□□enable□□□□□□□□□□□□
(gdb) disable [n]/[m-n]         # disable□□□□□n□□□□□disable□□□□□□□□m-n

(gdb) enable [n]/[m-n]          # enable□□n□□□□□□m-n
(gdb) enable once [n]/[m-n]     # enable□□n□□□□□□□□□□disable□□□□□□m-n
(gdb) enable delete [n]/[m-n]   # enable□□□□□□□□□□□□□□□□□m-n
```

# ???????

```
SH# □□□□□□breakpoint□□□□□□□□□□□□□□□□□□□□□
(gdb) condition <bunm> <expr>   # □□□□□bnum□□□□□
(gdb) condition <bnum>          # □□□□□bnum□□□□□

# ignore □□□□□□□□□□□□□□□□□□
(gdb) ignore <bnum> <count>     # □□□□□hnum□□□□□count□
```

# ?????????

```
SH# □□□□□□□□□□□□□command□□□□□□□□□□□□□□□□□□□□□
(gdb) commands [bnum]
> ... commands list ...
> end                   # □□□□□□bnum□□□□□□□□

□□
(gdb) break foo if x>0
(gdb) commands
> printf "x is %dn",x
> continue
> end
# □□□□□□□foo□□□□□□□x>0□□□□□□□□□□□□□□□□x□□□foo□□□□□0□GDB□□□□□□x□□□□□□□□□□□
# □□□□□□□□□□□□□□□□□□□□□□□□□□commands□□□□□□□□□end□□□□
```

## ????

```
SH# □□□□□c++□□□□□□□□□□□□□□□□□□gdb□□□□□□□□□□□□□□□
□□
(gdb) b String::after
[0] cancel
[1] all
[2] file:String.cc; line number:867
[3] file:String.cc; line number:860
[4] file:String.cc; line number:875
[5] file:String.cc; line number:853
[6] file:String.cc; line number:846
[7] file
> 2 4 6
Breakpoint 1 at 0xb26c: file String.cc, line 867.
Breakpoint 2 at 0xb344: file String.cc, line 875.
Breakpoint 3 at 0xafcc: file String.cc, line 846.
```

## ???????????

```
SH# □□□□□□□□□□□□c/continue□□□□□□□□□□□□□□□□□□□step□next□□□□□□□□□
(gdb) c/continue [ignore-count]     # □□□□□□□ignore-count□□□□□□□

# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□debug□□□□□VC□□□□□stepin□□□□□□count
□□□□□□□□□□□□□□□□□□□□□□□□□count□□□□□□□□□□
(gdb) step <count>

# □□step-mode□□□□□□□□□□□□□□□□□□□□□□□debug□□□□□□□□□□□□□□□□□□□□□
(gdb) set step-mode on

# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) u/until

# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□stepi□nexti□□□□□□□□□□□□□□□□□□□□□□□□“display/i $pc”
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) si/stepi
(gdb) ni/stepi
```

## ??

```
SH# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□UNIX□□□□□□□□□□□□□□□□□□UNIX□□□□□□□□□□SIGINT
□□□□□□□□□□□□Ctrl+C□□□□SIGBUS□□□□□□□□□□SIGCHLD□□□□□□□□□□□□SIGKILL□□□□□□□□□□□□□□□□□□□□□UNIX
□□□□□□□□□□□
# GDB□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□
handle□□□□□□□□□□
(gdb) handle <signal> <keywords...>
# □GDB□□□□□□□□□□□□<signal>□□□SIG□□□□□SIG□□□□□□□□□□□□□□□□□□□□□SIGIO-SIGKILL□□□□□□SIGIO□□□SIGKILL
□□□□□□□□SIGIO□SIGIOT□SIGKILL□□□□□□□□□□□□□□all□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□
<keywords>□□□□□□□□□□□□□□□□□
  nostop            # □□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□
  stop          # □□□□□□□□□□□□□GDB□□□□□□□□
  print         # □□□□□□□□□□□□□GDB□□□□□□□□□
  noprint           # □□□□□□□□□□□□□GDB□□□□□□□□□□□□□
  pass/noignore # □□□□□□□□□□□□□GDB□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□
  nopass/ignore # □□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□

# □□□□□□□□□GDB□□□□
(gdb) info signals
(gdb) info handle
```

## ?????

```
SH# □□singal□□□□□□□□□□□□□□□□□□□□□□□□□□Ctrl+C□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) signal <singal>
# UNIX□□□□□□□□□1□15□□□<singal>□□□□□□□□□
# single□□□shell□kill□□□□□□□□□□kill□□□□□□□□□□□□□GDB□□□□□□□single□□□□□□□□□□□□□□□□□□□
```

## ??

```
SH# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) info threads                          # □□□□
(gdb) break <line> thread <threadno>        # □□□□□line□□□□threadno□□
(gdb) break <line> thread <threadno> if...  # □□□□□line□□□□threadno□□□□□□□

□□
(gdb) break frik.c:13 thread 28 if bartab > lim
```

## ?????

```
SH# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□”□Stack□□□□□□□GDB
□□□□□□□□□□□□□□
(gdb) bt/backtrace          # □□□□□□□□□□□□□□□□□
(gdb) bt/backtrace <n>      # □n□□□□□□□□n□□□□□□□□□□n□

# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
```

```
(gdb) f/frame <n>            # n□0□□□□□□□□□
(gdb) up <n>                 # □□□□□□□n□□□□n□□□□□□□
(gdb) down <n>               # □□□□□□□n□□□□n□□□□□□□

# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) f/frame

#
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) info f/frame

(gdb) info args              # □□□□□□□□□□□□
(gdb) info locals            # □□□□□□□□□□□□□□□
(gdb) info catch             # □□□□□□□□□□□□□□
```

## ????

```
SH# □□□□□□□□□□□-g□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) l                          # □□□□□□□□□□
(gdb) l -                        # □□□□□□□□□
(gdb) l +                        # □□□□□□□□□
(gdb) l/list <linuenum/func>     # □□□linenum□□□function□□□□□□□10□
(gdb) l/list                     # □□□□□list□□□□□□□□□□□10□
(gdb) l/list m,n                 # □□□□m□□□□□n□□□□m□□□□□□□□n
(gdb) l/list -/+offset           # □□□□□□□□□offset□□
(gdb) l/list <file:line>         # □□□□file□line□□□□
(gdb) l/list <func>              # □□□□□func□□
(gdb) l/list <file:func>         # □□□□file□□□func□□
(gdb) l/list <*address>          # □□□□□□□□□address□□□

(gdb) set listsize               # □□□□□□□□□□□
(gdb) show listsize              # □□listsize□□
```

## ?????

```
SH(gdb) forward-search <regexp>   # □□□□regexp□□□□□□□□□
(gdb) search <regexp>            # □□□□
(gdb) reverse-search <regexp>    # □□□□
```

## ???????

```
SH# □□□□□□-g□□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□GDB□□□□□
(gdb) dir/directory <dirname ... >  # □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□UNIX□□□□□□“:”□Windows□□□□□□
“;”□
(gdb) dir/directory                 # □□□□□□□□□□□□□□□□□□□
(gdb) show directories              # □□□□□□□□□□□□□□
```

## ?????

```
SH(gdb) info line                     # □□□□□□□□□□□□□□□□:
(gdb) info line <num>
(gdb) info line <file:num>
(gdb) info line <func>
(gdb) info line <file:func>

# □□□□□□□disassemble□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□dump□□□□□□□□□□□□□□□func□□□□□□
(gdb) disassemble func
```

## ???????

```
SH# <expr>□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□<f>□□□□□□□□□□□□□□□□□□16□□□□□□□□□□/x□
(gdb) p/print <expr>            # expr□□□□const□□□□□□□□□□□
(gdb) p/print /<f> <expr>

# □□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□
@                   □□□□□□□□□□□□□□□□□□□□□□□□□
::                  □□□□□□□□□□□□□□□□□□
{<type>} <addr>     □□□□□□□□□□□<addr>□□□□type□□□□□□
# □□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
SH# □□□□
# □□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
GDB□□□□□□□
  x □□□□□□□□□□□□
  d □□□□□□□□□□□
  u □□□□□□□□□□□□□□□
  o □□□□□□□□□□□
  t □□□□□□□□□□□
  a □□□□□□□□□□□□
  c □□□□□□□□□□
  f □□□□□□□□□□□

□□
(gdb) p i
$21 = 101
(gdb) p/a i
$22 = 0x65
```

## ????

```
SH# □□□□□examine□□□□□□x□□□□□□□□□□x□□□□□□□□□□□□
(gdb) x/<n/f/u> <addr>          # n, f, u□□

n       □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
f       □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□s□□□□□□□□□□□□□□□□□□i□
u       □□□□□□□□□□□□□□□□□□□□□□□□GDB□4□bytes□u□□□□□□□□□□□□□□b□□□□□□h□□□□□□w□□□□□□g
□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
<addr>  □□□□□□□□□

# n/f/u□□□□□□□□□□□□□□
(gdb) x/3uh 0x54320             #□□□□□□□□0x54320□□□□□h□□□□□□□□□□□□3□□□□□□□u□□□□□□□□□□
```

## ????

```
SH# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□display□
(gdb) display <expr>
(gdb) display/<fmt> <expr>
(gdb) display/<fmt> <addr>
# expr□□□□□□□fmt□□□□□□□□addr□□□□□□□□□□display□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□

# □□i□s□□□display□□□□□□□□□□□□□□
(gdb) display/i $pc
# $pc□GDB□□□□□□□□□□□□□□□/i□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□display□□□GDB□□□
(gdb) undisplay <dnums...>
(gdb) delete display <dnums...>
# □□□□□□□□□dnums□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
# □□□□□□□□□□□□□□□□□2-5□
(gdb) disable display <dnums...>
(gdb) enable display <dnums...>
# disable□enalbe□□□□□□□□□□□□□□□□□□□□□□
(gdb) info display
# □□display□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□enable□
```

## ??????

```
SH# GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□
# 1□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□
(gdb) set print address
(gdb) set print address on
(gdb) set print address off     # □□□□□□□□□□□
(gdb) show print address        # □□□□□□□□□□□□□□□

# 2□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) set print array
(gdb) set print array on
(gdb) set print array off
(gdb) show print array
(gdb) show print elements       # □□print elements□□□□□□□□
(gdb) set print elements <number-of-elements>
# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□<number-of-elements>□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□0
□□□□□□□□

# 3□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□off
(gdb) set print null-stop <on/off>

# 4□□□□□printf pretty□□□□□□□□GDB□□□□□□□□□□□□
(gdb) set print pretty on
(gdb) show print pretty         # □□GDB□□□□□□□□□□\

# 5□□□□□□□□□□□“nnn”□□□□□□□□□□□□□□□□□□□□□nnn□□□□“65”□
(gdb) set print sevenbit-strings <on/off>
(gdb) show print sevenbit-strings   # □□□□□□□□□□□□□
```

```
# 6□□□□□□□□□□□□□□□□□□□□□□□
(gdb) set print union <on/off>
(gdb) show print union              # □□□□□□□□□□□□
□□
$1 = {it = Tree, form = {tree = Acorn, bug = Cocoon}}   # □
$1 = {it = Tree, form = {...}}                          # □

# 7□□C++□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□off□
(gdb) set print object <on/off>
(gdb) show print object             # □□□□□□□□□□

# 8□□□□□□□□□□□□□C++□□□□□□□□□□□□□□□□□□□□□□□□□on□
(gdb) set print static-members <on/off>
(gdb) show print static-members     # □□□□□□□□□□□□□

# 9□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) set print vtbl <on/off>
(gdb) show print vtbl               # □□□□□□□□□□□□□
```

## ????

```
□□□GDB□print□□□□□□□□□□□□□□□□print□□□GDB□□□□□GDB□□$1, $2, $3 .....□□□□□□□□□□print
□□□□□□□□□□□□□□□□□□□□□□□□□□□□$1
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
```

## ????

```
SH# □□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□ □□GDB□set□□□GDB□□□□□□UNIX□□□□□□$
□□□□□
(gdb) set $foo = *object_ptr
# □□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) show convenience
# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) set $i = 0
(gdb) print bar[$i++]->contents
# □□□□□□□□□print bar[0]->contents, print bar[1]->contents
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
```

## ?????

```
SH# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ip□□□□□□□□□□□□□□sp□□□□□□□□□print□□□□□□□□□□□□□□□□□□□□□□□□□$
□□□□□□□□□p $eip□
(gdb) info registers        # □□□□□□□(□□□□□□)
(gdb) info all-registers    # □□□□□□□□□
(gdb) info registers regname# □□□□□□□□□□□□info rbp
```

## ???????

```
SH# □□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

# □□□□□□□
# □□□□□□□□□□□□□□□□GDB□□□□□□□□□GDB□print□□□□□□□□□
(gdb) print x=4
# x=4□□□□□C/C++□□□□□□□□□□x□□□□4□□□□□□□□□□□□□Pascal□□□□□□□□Pascal□□□□x:=4□
# □□□□□□□□□□□□□□□GDB□□□□□□□□□
(gdb) whatis width
type = double
(gdb) p width
$4 = 13
(gdb) set width=47
Invalid syntax in expression.
# □□□set width□GDB□□□□□□□□□□“Invalid syntax in expression”□□□□□□□□□□□□□□set
# var□□□□□GDB□width□□□GDB□□□□□□□□□□□□□□□
(gdb) set var width=47
# □□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□set var□□□GDB□□□
```

## ????

```
SH# □□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□GDB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□GDB□jump
□□□□□
(gdb) jump <linespec>
# □□□□□□□□□□□□<linespce>□□□□□□□□□□□□file:line□□□□□□+num□□□□□□□□□□□□□□□□□□□□□□□□
(gdb) jump <address>
# □□□<address>□□□□□□□□□□□□□jump
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Core Dump
□□□□□□□□□□□□□□□□□
# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□jump□□□□□□□□□□□□□□□□□□□□□□□□□“set $pc”□□□□□□□□□□□□□
(gdb) set $pc = 0x485
```

## ??????

```
SH# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□return□□□□□□□□□□□□□□□□□□□□
(gdb) return
(gdb) return <expression>
# □□return□□□□□□□□□□□□□□□□□□□□□□□<expression>□□□□□□□□□□□□□□□□□□□□
```

# ??????

```
SH(gdb) call <expr>
# □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□void□□□□□□□□
# □□□□□□□□□□□□□□□□□——print□print□□□□□□□□□□□□□□□□□□□□□□print□call□□□□□□□□□□□void□call□□□□□print
□□□□□□□□□□□□□□□□□□□□□
```

## GDB????

```
SH(gdb) show language
# [illegible]GDB[illegible]C[illegible]
(gdb) info frame
# [illegible]
(gdb) info source
# [illegible]GDB[illegible]set language[illegible]set language
[illegible]GDB[illegible]
(gdb) set language
The currently understood settings are:
local or auto Automatic setting based on source file
c Use the C language
c++ Use the C++ language
asm Use the Asm language
chill Use the Chill language
fortran Use the Fortran language
java Use the Java language
modula-2 Use the Modula-2 language
pascal Use the Pascal language
scheme Use the Scheme language
# [illegible]set language[illegible]
```

## ??

```
(gdb) q/quit                # [illegible]GDB[illegible]
```