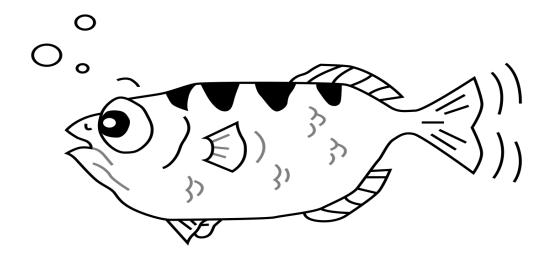
C++ & GDB & Emacs exercise

Debugger

- Cheat_GDB.txt
- GDB cheatsheet



Short exercise of GDB

- Exercise Repository → cpp_debug
 - Clone the code
 - Use the above codes and compile them
 - Open Emacs
 - M-x gdb
 - Set a break point
 - Run GDB commands

```
print go run until next step finish up down Gud Complete In/Out Signals Help
The program is not being run.
Starting program: /a/home/local/gen/mywork/2020/03.welcome package/cpp debug/random
Continuing.
     b 36d
Breakpoint 1 at 0x400c67: file RandomNumCommand.cpp, line 36.
Starting program: /a/home/local/gen/mywork/2020/03.welcome package/cpp debug/random
-UUU:**--F1 *qud-random*
                           Bot L64
                                      (Debugger:run [breakpoint-hit])
                                                                                     9 = 748243096
                                                                                     10 = 574249125
      cout << "Starting RandomNumGenerator" << endl;</pre>
                                                                                     11 = 484625517
      int random[10];
                                                                                     12 = 2088969745
     srand(time(NULL));
                                                                                     13 = 840912157
                                                                                     14 = 1812430086
     // Generating random numbers
                                                                                     15 = 1253372005
      for(int i=0; i<100; i++) {
                                                                                     16 = 1514677324
       random[i] = rand();
                                                                                     17 = 334013757
       cout << i << " = " << random[i] << endl;
                                                                                     18 = 398744762
                                                                                     19 = 1240074060
      cout << "-----" << endl:
                                                                                     20 = 2089599649
                                                                                     21 = 960908747
                                                                                     22 = 1037191102
      // Using vector. Int array is coverted
      int n = sizeof(random) / sizeof(random[0]);
     vector<int> myrand(random, random+n);
                                                                                     Process gdb-inferior killed
                                                                                     Starting RandomNumGenerator
      // Homework. Use sorting with STL and mysort function above defined
            RandomNumCommand.cpp 31% L36
                                                                                     -UUU:**--F1 *input/output of random*
-UU-:---F1
                                            (C++/l Abbrev)
                                                                                                                             Bot L80
                                                                                                                                        (Inferior I/0:run)
Switched to thread 1
```