

2-1

```
zova0@focal-fossa:~/uni/3/jikken/web/02190367/kadai2-1$ ruby FizzBuzz.rb
20
1
2
3 Fizz
4
5 Buzz
6 Fizz
7
8
9 Fizz
10 Buzz
11
12 Fizz
13
14
15 Fizz Buzz
16
17
18 Fizz
19
20 Buzz
```

2-2

関数呼び出しにかかる時間をプロファイリングした

```
zova0@focal-fossa:~/uni/3/jikken/web/02190367/kadai2-4$ ruby ../kadai2-2/tryLibrary.rb
合計: 150
```

%	cumulative	self		self	total	
time	seconds	seconds	calls	ms/call	ms/call	name
43.67	0.01	0.01	2654	0.00	0.01	nil#
24.96	0.02	0.01	702	0.01	0.03	Array#each
16.07	0.03	0.00	1	4.77	28.60	Range#each
8.27	0.03	0.00	1952	0.00	0.00	String#index
3.39	0.03	0.00	702	0.00	0.00	String#succ
1.32	0.03	0.00	1	0.39	0.39	Profiler__.start_profile
0.08	0.03	0.00	1	0.02	0.02	IO#write
0.03	0.03	0.00	1	0.01	0.03	IO#puts
0.02	0.03	0.00	1	0.01	0.04	Kernel#puts
0.01	0.03	0.00	1	0.00	0.00	String#<=>
0.01	0.03	0.00	1	0.00	0.00	Integer#to_s
0.01	0.03	0.00	1	0.00	0.00	Kernel#respond_to?
0.00	0.03	0.00	1	0.00	0.00	Monitor#mon_owned?
0.00	0.03	0.00	1	0.00	29.67	#toplevel

2-3

bye を送るとソケット通信が終了した

```
zova0@focal-fossa:~/unt/3/jikken/web/02190367/kadat2-3$ ruby minChat_Server.rb
zova0@focal-fossa:~/unt/3/jikken/web/02190367/kadat2-3$ fuser -n tcp -k 2000
zova0@focal-fossa:~/unt/3/jikken/web/02190367/kadat2-3$ ruby minChat_Server.rb
a
a1ueo
zova0@focal-fossa:~/unt/3/jikken/web/02190367/kadat2-3$

zova0@focal-fossa:~/unt/3/jikken/web/02190367/kadat2-3$ ruby minChat_Client.rb
Traceback (most recent call last):
  2: from minChat_Client.rb:4:in `<main>'
  1: from minChat_Client.rb:4:in `new'
minChat_Client.rb:4:in `initialize': Connection refused - connect(2) for "127.0.0.1" port 2000 (Errno::ECONNREFUSED)
zova0@focal-fossa:~/unt/3/jikken/web/02190367/kadat2-3$ ruby minChat_Client.rb
a
a1ueo
bye

Traceback (most recent call last):
  4: from minChat_Client.rb:5:in `<main>'
  3: from minChat_Client.rb:5:in `loop'
  2: from minChat_Client.rb:7:in `block in <main>'
  1: from minChat_Client.rb:7:in `puts'
minChat_Client.rb:7:in `write': Broken pipe (Errno::EPIPE)
zova0@focal-fossa:~/unt/3/jikken/web/02190367/kadat2-3$
```

2-4

実行結果は以下

```
1
2
3 Fizz
4
5 Buzz
6 Fizz
7
8
9 Fizz
10 Buzz
11
12 Fizz
13
14
15 Fizz Buzz
```

現在時刻：23:10:54

2-5

kadai2-5/web_security.pdf に記述

応用 2-1

禁止ワードは ‘ban’

```
[2021-10-22 23:56:36] INFO WEBrick 1.6.0
[2021-10-22 23:56:36] INFO ruby 2.7.0 (2019-12-25) [x86_64-linux-gnu]
[2021-10-22 23:56:36] INFO WEBrick::HTTPServer#start: pid=14337 port=2000
1
127.0.0.1 - - [22/Oct/2021:23:56:40 JST] "GET /write?msg=null HTTP/1.1" 200 0
- -> /write?msg=null
id: 0
127.0.0.1 - - [22/Oct/2021:23:56:48 JST] "GET /index HTTP/1.1" 200 0
- -> /index
█
```