Курбатов Ярослав, РПО МКН

Программирование

Ruby MRI ~> 3.0.0

Запуск:
Клиент: ruby task_a/main.rb client <file-path>
Сервер: ruby task_a/main.rb server

Задание А

Задание Б

Клиент: ruby task_b/main.rb client <file-path>
Сервер: ruby task_b/main.rb server <file-path>


```
viralpraxis@primary:~/Documents/spbu/2023-spring/networks/spbu-masters-compnet/homeworks/08/task_b$ ruby main.rb client data.json
sent [123, 10, 32, 32, 34, 105, 116, 101, 109, 34, 58, 32, 123, 10, 32]
sent [123, 10, 32, 32, 34, 105, 116, 101, 109, 34, 58, 32, 123, 10, 32]
sent [123, 10, 32, 32, 34, 105, 116, 101, 109, 34, 58, 32, 123, 10, 32]
sent [123, 10, 32, 32, 34, 105, 116, 101, 109, 34, 58, 32, 123, 10, 32]
sent [123, 10, 32, 32, 34, 105, 116, 101, 109, 34, 58, 32, 123, 10, 32]
#<struct YKProto::Client::Packet header=#<struct YKProto::Client::PacketHeader state=0, type=0>, message=[123, 10, 32, 32, 34, 105, 116, 101, 109, 34, 58, 32, 123,
sent [32, 32, 34, 102, 111, 111, 34, 58, 32, 49, 44, 10, 32, 32]
#<struct YKProto::Client::Packet header=#<struct YKProto::Client::PacketHeader state=0, type=1>, message=[123, 10, 32, 32, 34, 105, 116, 101, 109, 34, 58, 32, 123,
34, 58, 32, 49, 44, 10, 32, 32, 34, 98, 97, 114, 34, 58, 32, 110, 117, 108, 108, 10, 32, 32, 125, 44, 10, 32, 32, 34, 115, 116, 114, 105, 110, 103, 34, 58,
10, 125]>
Received message {
  "item": {
    "foo": 1,
    "bar": null
  },
  "string": "foobar"
}
sent [32, 32, 34, 98, 97, 114, 34, 58, 32, 110, 117, 108, 108, 10, 32]
#<struct YKProto::Client::Packet header=#<struct YKProto::Client::PacketHeader state=0, type=0>, message=[32, 32, 34, 98, 97, 114, 34, 58, 32, 110, 117, 108, 108,
sent [32, 125, 44, 10, 32, 32, 34, 115, 116, 114, 105, 110, 103, 34, 58]
#<struct YKProto::Client::Packet header=#<struct YKProto::Client::PacketHeader state=1, type=0>, message=[32, 125, 44, 10, 32, 32, 34, 115, 116, 114, 105, 110, 103
sent [32, 34, 102, 111, 111, 98, 97, 114, 34, 10, 125]
#<struct YKProto::Client::Packet header=#<struct YKProto::Client::PacketHeader state=0, type=0>, message=[32, 34, 102, 111, 111, 98, 97, 114, 34, 10, 125]>
viralpraxis@primary:~/Documents/spbu/2023-spring/networks/spbu-masters-compnet/homeworks/08/task_b$
```



```
viralpraxis@primary:~/Documents/spbu/2023-spring/networks/spbu-masters-compnet/homeworks/08/task_b$ ruby main.rb server data.json
Server: ready to receive
{
  "item": {
    "foo": 1,
    "bar": null
  },
  "string": "foobar"
}viralpraxis@primary:~/Documents/spbu/2023-spring/networks/spbu-masters-compnet/homeworks/08/task_b$
```

Задание C

Клиент: ruby task_c/main.rb client <file-path>
Сервер: ruby task_c/main.rb server <file-path>

Реализацию подсчета и проверки контрольной суммы см. В task_c/ykproto/checksum.rb, тесты в task_c/ykproto/checksum_test.rb