

Amir Yakubov

BDA-2008

Task 1

Command:

```
git clone https://github.com/georgy-schukin/mini-rt
```

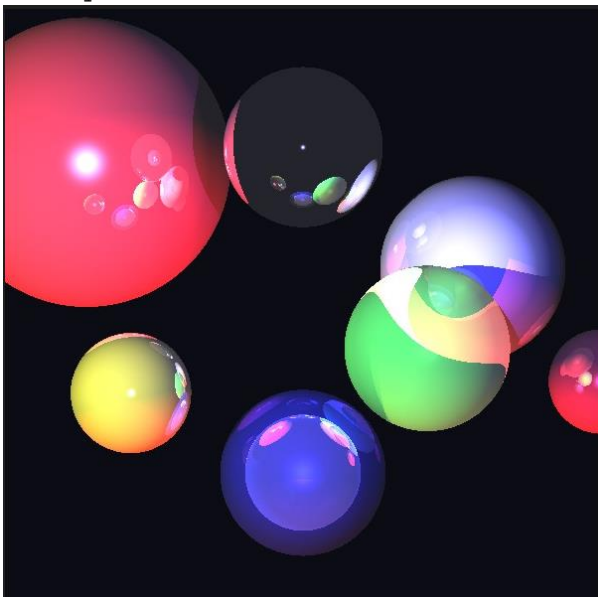
```
Администратор: C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.2130]
(c) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.

C:\Users\Amir>git clone https://github.com/georgy-schukin/mini-rt
Cloning into 'mini-rt'...
remote: Enumerating objects: 292, done.
remote: Counting objects: 100% (292/292), done.
remote: Compressing objects: 100% (204/204), done.
remote: Total 292 (delta 159), reused 213 (delta 82), pack-reused 0
Receiving objects: 97% (284/292), 92.00 KiB | 56.00 KiB/s
Receiving objects: 100% (292/292), 115.37 KiB | 70.00 KiB/s, done.
Resolving deltas: 100% (159/159), done.

C:\Users\Amir>
```

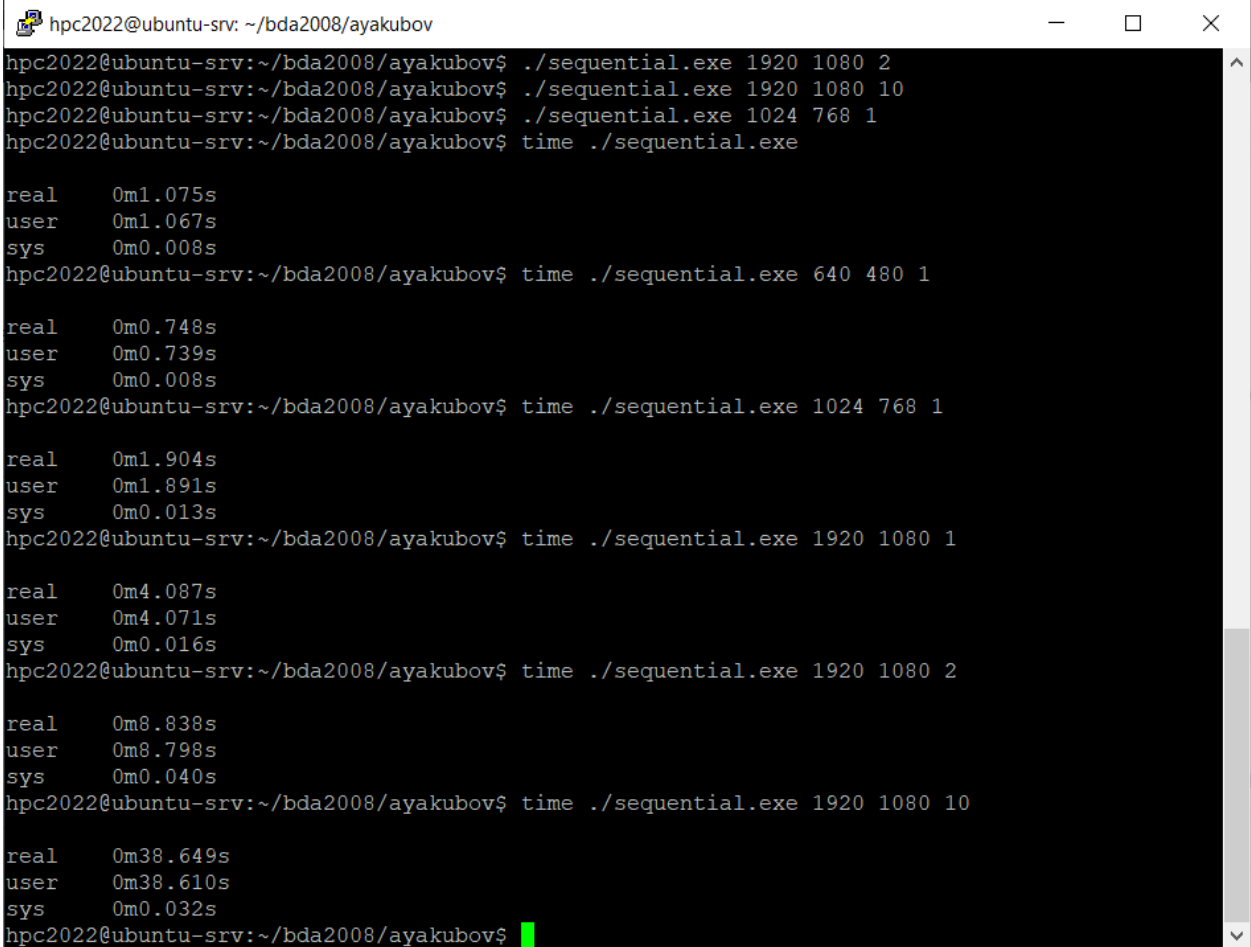
Run the application:

```
./sequential.exe
```



Measure running time of the application with different arguments (image resolution, number of samples, etc). You can use `time` command to measure time:

`time ./sequential.exe <arguments>`



```
hpc2022@ubuntu-srv: ~/bda2008/ayakubov
hpc2022@ubuntu-srv:~/bda2008/ayakubov$ ./sequential.exe 1920 1080 2
hpc2022@ubuntu-srv:~/bda2008/ayakubov$ ./sequential.exe 1920 1080 10
hpc2022@ubuntu-srv:~/bda2008/ayakubov$ ./sequential.exe 1024 768 1
hpc2022@ubuntu-srv:~/bda2008/ayakubov$ time ./sequential.exe

real    0m1.075s
user    0m1.067s
sys     0m0.008s
hpc2022@ubuntu-srv:~/bda2008/ayakubov$ time ./sequential.exe 640 480 1

real    0m0.748s
user    0m0.739s
sys     0m0.008s
hpc2022@ubuntu-srv:~/bda2008/ayakubov$ time ./sequential.exe 1024 768 1

real    0m1.904s
user    0m1.891s
sys     0m0.013s
hpc2022@ubuntu-srv:~/bda2008/ayakubov$ time ./sequential.exe 1920 1080 1

real    0m4.087s
user    0m4.071s
sys     0m0.016s
hpc2022@ubuntu-srv:~/bda2008/ayakubov$ time ./sequential.exe 1920 1080 2

real    0m8.838s
user    0m8.798s
sys     0m0.040s
hpc2022@ubuntu-srv:~/bda2008/ayakubov$ time ./sequential.exe 1920 1080 10

real    0m38.649s
user    0m38.610s
sys     0m0.032s
hpc2022@ubuntu-srv:~/bda2008/ayakubov$
```

Link to GitHub: <https://github.com/Am1rrr/hpc>