

EXERCISES

Họ và tên: Đào Quốc Khánh
MSSV: 2013452

Problem 1:

```
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_1$ make
gcc -c -o main.o main.c
gcc -c -o ex1.o ex1.c
gcc -o main main.o ex1.o
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_1$ ./main
16
64

0x5608ea394b00
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_1$ ./main
128
2048

0x5565710d8000
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_1$ ./main
1024
131072

0x560d57860000
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_1$
```

Problem 2:

```
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_2$ ./pi_serial 100000000
3.141700
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_2$ ./pi_multi-thread 100000000
0
3.141841
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_2$
```

Problem 3:

```
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_3$ make
gcc -pthread code.c -o code
code.c: In function 'hello':
code.c:6:35: warning: cast from pointer to integer of different size [-Wpointer-to-int-cast]
    6 |     printf("Hello from thread %d\n", (int)tid);
      |                                   ^
code.c: In function 'main':
code.c:14:49: warning: cast to pointer from integer of different size [-Wint-to-pointer-cast]
   14 |     int rc = pthread_create(&tid[i], NULL, hello, (void*)i);
      |                                                 ^
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_3$ ./code
Hello from thread 0
Hello from thread 1
Hello from thread 2
Hello from thread 3
Hello from thread 4
Hello from thread 5
Hello from thread 6
Hello from thread 7
Hello from thread 8
Hello from thread 9
quockhanh@Khanh-VirtualBox:~/Lab2_2013452/Problem_3$
```