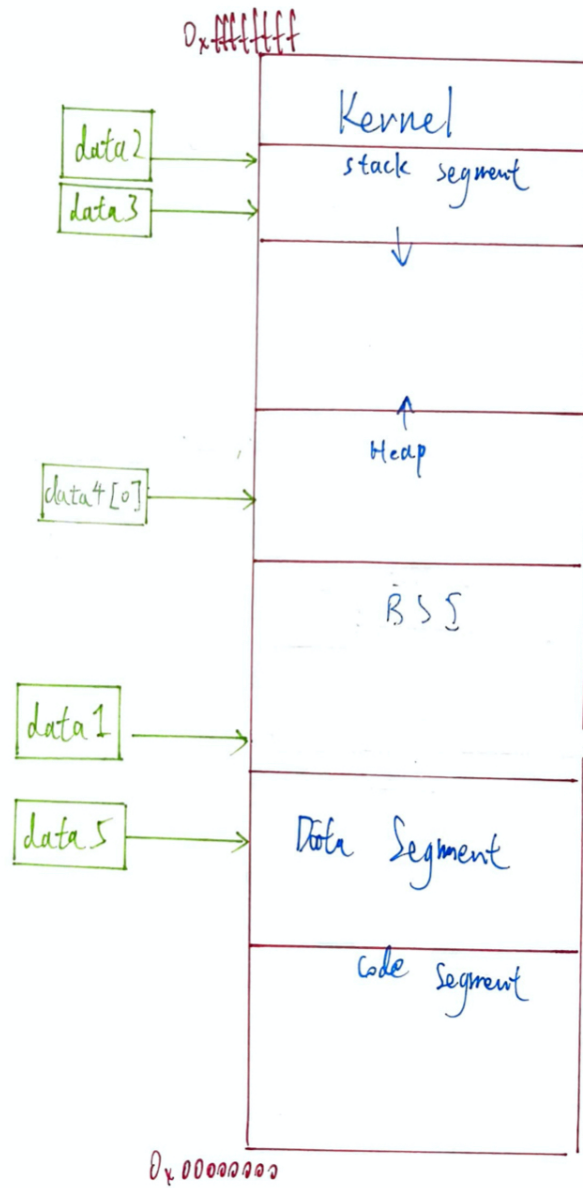


COMP 3230 Tutorial 2 Ex 2

1.



2. $81000 - 60000 = 21000_{16}$
 $= 135168_{10}$

Using the result of `cat /proc/PID/maps` to calculate.

stack size = $\frac{135168}{1024} = 132KB$

```
终端 Shell 编辑 显示方式 视图 帮助说明
Swap usage: 0%
=> There are 3 zombie processes.
* Kubernetes 1.19 is out! Get it in one command with:
  sudo snap install microk8s --channel=1.19 --classic
  https://microk8s.io/ has docs and details.
* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
    https://ubuntu.com/livepatch
6 packages can be updated.
0 updates are security updates.
New release '20.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Fri Oct 2 22:44:17 2020 from 10.64.193.50
Terminal type: [xterm-256color]
Fri Oct 2 22:44:34 HKT 2020
chngai@workbench:~$ cd Desktop
chngai@workbench:~/Desktop$ ls
80348816d/ Tutorial-1/ Tutorial-2/
chngai@workbench:~/Desktop$ cd Tutorial-2
chngai@workbench:~/Tutorial-2$ ls
exercise1 exercise2 exercise3 exercise3_1.c git/ para_sum para_sum.c
chngai@workbench:~/Tutorial-2$ cd git/
chngai@workbench:~/git$ ls
chngai@workbench:~/git$ cd exercise2
chngai@workbench:~/git/exercise2$ ls
chngai@workbench:~/git/exercise2$ cd ..
chngai@workbench:~/git$ cd ..
chngai@workbench:~/Tutorial-2$ ls
exercise1 exercise2 exercise3 exercise3_1.c para_sum para_sum.c tutorial1/
chngai@workbench:~/Tutorial-2$ cd tutorial1/
chngai@workbench:~/Tutorial-2/tutorial1$ ls
example_1_1_forke example_1_1_process_execv_b.c example_1_1_process_execv_b.c
example_1_1_process_id.c example_1_1_signal.c example_1_1_signal_function_pointer.c
example_1_1_process_numbers_for.c example_1_1_2_pipe.c example_1_1_3_sharedmemory.c
example_1_1_process_numbers_for_simple.c example_1_1_3_sharedmemory_error.c
example_1_1_process_syn_wait.c example_1_1_3_process_state_zombie.c
example_1_1_process_syn_waitpid.c exercise2.c
example_1_1_process_exec_l.c exercise2_sample.c
example_1_1_process_exec_l.c para_sum.c
chngai@workbench:~/Tutorial-2/tutorial1$ ./exercise2_sample
addresses which fall into:
1) temp = 0x7f9c720b004.
1 is 18.
addresses which fall into:
1) temp = 0x7f9c720b004.
1 is 9.
addresses which fall into:
1) temp = 0x7f9c720b004.
1 is 8.
addresses which fall into:
1) temp = 0x7f9c720b004.
1 is 7.
while loop! Process ID: 66106.
```