

ICS2-homework1

Problem 1

- Specify which kind of exception will occur in the given scenario, and point out whether it's asynchronous or synchronous.
- a) A page fault
- b) You receive an E-mail from the Internet
- c) You're running a command "kill -9 <pid>" in your shell
- d) The memory of your pc corrupted

Problem 2

- Write the assembly code of the code segment below. (Supposing we are directly using syscall to call KILL, which has syscall number 37)

```
int main() {  
    kill(2024, 3);  
    exit(0);  
}
```