CS 241 Discussion Section (26/04/12)

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Review: signals

Asynchronous notification to a process indicating some action should be taken

Sending signals to a process: kill -<signal> <pid> int kill(pid_t pid, int sig);

We can signal individual threads, too: int pthread_kill(thread_t tid, int sig);

What can we do with signals?

- Handle them!
 - Default or Ignore
 - Custom function with sigaction
- Block them!
 - Delay delivery with masks
 - Then we can sigwait to get them.

One function to rule them all

void (*signal(int signum, void (*handler)(int))) (int);

One function to rule them Symbol all

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One function to rule them Symbol all Function Args void (*signal(int signum, void (*handler)(int))) (int);

One function to rule them Symbol all Function Args void (*signal(int signum, void (*handler)(int))) (int); Return Type

One function to rule them all

void (*signal(int signum, void (*handler)
 (int))) (int);

But what does it all mean? typedef void (*sighandler_t)(int);

sighandler_t signal(int signum, sighandler_t handler);

HTTP Header

 Components of the message header of requests and responses in the Hypertext Transfer Protocol (HTTP)

```
GET / HTTP/1.1\r\n
Host: google.com\r\n
Connection: close\r\n
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:11.0) Gecko/20100101 Firefox/11.0\r\n
Accept-Encoding: gzip\r\n
Accept-Charset: ISO-8859-1,UTF-8;q=0.7,*;q=0.7\r\n
Cache-Control: no-cache\r\n
Accept-Language: de,en;q=0.7,en-us;q=0.3\r\n
\r\n
```

Code Examples

ds12/signals.c