



CS 241 Section  
(04/12/12)

# Outline

- MP7
- Return value of select()
- Coding!

# MP7

- Any questions?

# select()

- `int select(  
 int nfd,  
 fd_set *restrict readfds,  
 fd_set *restrict writefds,  
 fd_set *restrict errorfds,  
 struct timeval *restrict timeout  
);`

# select()

- ```
int select(  
    int nfd,  
    fd_set *restrict readfds,  
    fd_set *restrict writefds,  
    fd_set *restrict errorfds,  
    struct timeval *restrict timeout  
);
```

**Return Value:**

**Number of fds ready to be acted upon.**

# select()

- ```
int select(  
    int nfd,  
    fd_set *restrict readfds,  
    fd_set *restrict writefds,  
    fd_set *restrict errorfds,  
    struct timeval *restrict timeout  
);
```

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nfd:

max(fds) + 1 or FD\_SETSIZE

# Coding

- In ds10, we'll look at using:
  - pipe() to communicate between threads
  - select() to do I/O multiplexing
- As always:
  - ds/ds10/1.c**
  - ds/ds10/2.c**