

C: `stdio.h`, `varargs`, `unistd.h`

CS 2130: Computer Systems and Organization 1

April 26, 2023

Announcements

- Homework 10 due Monday at 11pm
 - Limited number of submissions, test your code before submitting
- Review session in lab next week
- Final Exam: May 4, 7-10pm, Chem 402

`stdio.h` manual page

printf

```
int printf(const char *format, ...);  
int fprintf(FILE *stream, const char *format, ...);
```

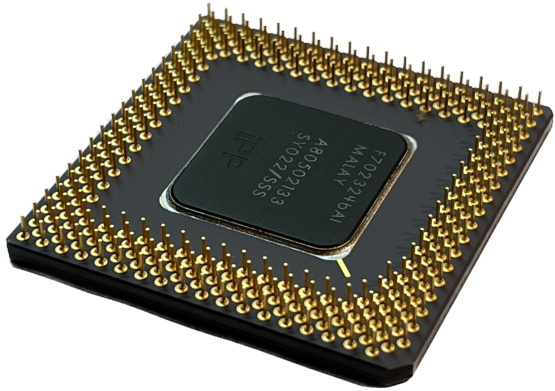
Could you write `printf`?

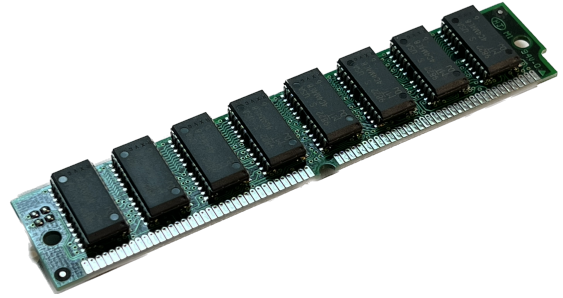
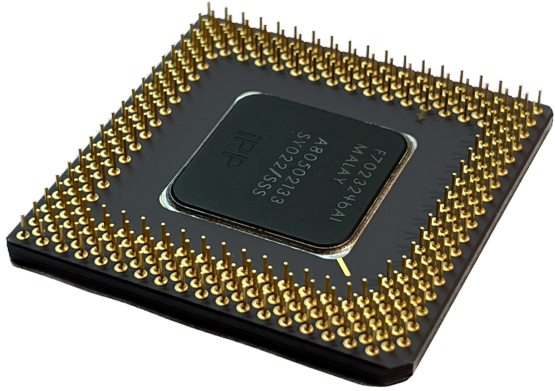
printf

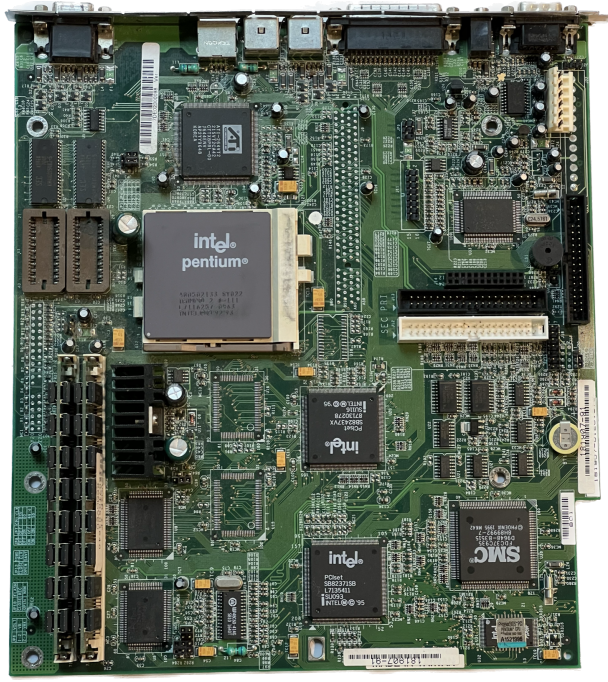
```
int printf(const char *format, ...);
```

```
printf("hi: %s and %d\n", mystr, myint);
```

Backing up...







Syscalls

`write:`

- Argument checking
- `syscall`
- Return value checking
- `ret`

Using write

