Computer System Organization [Spring 18, Mu]

R04: String, pointers, and testing

Logistics

- Lab 1 has been graded
 - Max score: 78%
- Many people have received 0 on the first part
 - Code didn't compile
 - There was the entire grading script provided
 - Please make sure that running tests provided works!
- I will offer regrades on Part 1, fixing the compilation problem for you
 - Regrading will still use your same submission
 - Come see me to write your name and github username
- Don't commit executables or object files

Strings in C

```
int main (int argc, char ** argv) {
    char *str1 = "cs";
    char *str2 = "cs";
    printf("%d\n", str1 == str2);
    printf("%d\n", str1[0] == str2[0]);
    printf("%d\n", strcmp(str1, str2));
}
```

С	0X10001 000
	0x1000F001
S	040005000
\0	0x1000F002
***************************************	0x1000F003
	0x1000F004
0x1000F000	str1
	0x1000F008
С	0 40005000
S	0x1000F009
	0x1000F00A
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CONTRACTOR OF A PARTICULAR PROPERTY OF THE PARTI	0x1000F00B
	0x1000F00C
0x1000F008	str2

0x1000F000

Double linked list

```
struct dlist {
  int value;
  struct dlist *prev;
  struct dlist *next;
                  NULL +
                                                                                NULL
                              Head
                                                                   End
```