

Strings: **qsort()** **example**

```
/* adapted from Sedgewick p.118 */
#include <stdlib.h>
#include <stdio.h>
#include <string.h>
char buf1 []="Hello"; char buf2 []="out";
char buf3 []="there";
int compare(const void *i, const void *j)
{ return strcmp(*(char **)i, *(char **)j); }
main()
{ char* a[4]; int i;
a[0] = &buf1[0]; /* or just buf1 */
a[1] = &buf2[0];
a[2] = &buf3[0];
a[3] = &buf3[1]; /* wow! */
qsort(a, 4, sizeof(char*), compare);
for(i=0; i<4; i++)
printf("%s\n", a[i]);
}
```