

## CSC209H Worksheet: Error Checking

Type in the following program and run it to find out what happens when you try to call `strtol` on different strings.

```
#include <stdlib.h>
#include <stdio.h>
#include <errno.h>
#include <string.h>

int main(int argc, char **argv) {
    char *next = NULL;
    errno = 0;
    long longi = strtol(argv[1], &next, 0);
    int i = longi;

    printf("longi: %ld\n", longi);
    printf("i: %d\n", i);
    printf("next is |%s|\n", next);

    if(errno != 0) {
        perror("strtol");
    }
    return 0;
}
```

argv[1]	returned (longi)	int (i)	next	errno value or perror() message
"42"				
"209S"				
"0"				
"zero"				
"seven"				
"B52"				
"9876543219876543219"				
"-32"				
"0x41"				