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 / perror() message
"42"	42	42		0
"209S"	209	209	"S"	0
"0"	0	0	4437	0
"zero"	0	0	"zero"	Invalid argument
"seven"	0	0	"seven"	Invalid argument
"B52"	0	0	"B52"	Invalid argument
"9876543219876543219"	9223372036854775807	-1	,	Result too large
"-32"	-32	-32	,	0
"0x41"	65	65	4637	0