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"	42	42	(1)	0
"209S"	209	70}	"Z"	0
"0"	0	0	(r v)	0
"zero"	0	0	"zero"	Invalid Argument
"seven"	0	0	"seven"	Invalid Argument Invalid Argument
"B52"	Õ	0	"B52"	Invalid Argument
"9876543219876543219"	987654321987643219	-1	(I)	Rosult too large
"-32"	- 32	-32	017	0
"0x41"	63	65	ky	0

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