```c
#include <unistd.h>
#include <stdio.h>
#include <ctype.h>

unsigned char   swap_bits(unsigned char c);
int asciiToBinary(int input);

int     main(void)
{
        char    c;

        c = 't';
        write(1, &c, 1);
        write(1, "\n", 1);
        printf("%08d %c\n", asciiToBinary(toascii(c)), c);
        c = swap_bits(c);
        printf("%08d %c\n", asciiToBinary(toascii(c)), c);
        write(1, &c, 1);
        write(1, "\n", 1);

        return (0);
}

int asciiToBinary(int input)
{
        int result = 0, i = 1, remainder;

        /* convert decimal to binary format */
        while (input > 0) {
                remainder = input % 2;
                result = result + (i * remainder);
                input = input / 2;
                i = i * 10;
        }

        /* print the resultant binary value */
        return(result);
}
```