cat.c 1/2

```
/********
Programer: Michael Marelli
Class: CS460
Project: Final
Date: 12/9/2016
File: cat.c
*********
#include "ucode.c"
main(int argc, char *argv[])
   int in, out;
   int bread, i = 0, j = 0;
   char buf[1024], c, *tty; //c is used as input char
   gettty(tty);
   out = open(tty, O_WRONLY); //write to stdout
   in = 0; //use the stdin uless a file is passed in
   if(argc >= 2) //file(s) provided to us
       for(j = 1; j < argc; j++)
           in = open(argv[j], O RDONLY);
           while (bread = read(in, buf, 1024))
               for(i = 0; i < bread; i++)
                   write(1, buf + i, 1);
                   if(buf[i] == '\n')
                       write(out, "\r", 1);
               }
           close(in);
       }
   //when output is redirected we still need to write to the tty
   else //use stdin as file
       while(read(0, &c, 1))
           if(c == '\r') //clear the buffer to the output if input is stdin we need to print the buffer
               write(out, "\r", 1);
               c = '\n';
buf[i] = c;
               write(1, &c, 1);
               write(out, buf, strlen(buf));
write(out, "\r", 1);
bzero(buf, 1024);
               i = 0;
           else if(c == '\n')
               write(out, "\r", 1);
               buf[i] = c;
               write(1, &c, 1);
               //write(out, buf, strlen(buf));
```

2/2