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

// man -s 2 pipe
// stdin 0, stdout 1, stderr 2
int main()
{
  int filedes[2], n;
  char buff[50];


  if(pipe(filedes) < 0){
    printf("error creating the pipe \n");
    exit(1);
  }
  printf("read fd = %d, write fd=%d\n",filedes[0],filedes[1]);
  if( write(filedes[1],"Hello CSCI 5134 Students\n",25) != 25)
    printf("error writing\n");

  if( (n = read(filedes[0],buff, sizeof(buff))) <= 0 )
    printf("error reading\n");

  // the same as printf("%s", buff);
  write (1, buff, n);

  exit(0);

}
```