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


char String1[] = "Hello, this is the message from parent to child";
char String2[] = "Hello, this is the message from chld to parent";


main ()
{
  char buf[1024];
  int fds1[2], fds2[2];
  int childr, childw, parentr, parentw;

  pipe (fds1);
  pipe (fds2);
  childr = fds1[0];
  childw = fds2[1];
  parentr = fds2[0];
  parentw = fds1[1];

  if (fork() > 0)
  { /* the parent process */
    close (childr); close (childw);
    write (parentw, String1, sizeof (String1));
    read (parentr, buf, sizeof (String2));
    printf ("Parent: %s\n", buf);
  }
  else
  { /* the child process */
    close (parentr); close (parentw);
    write (childw, String2, sizeof (String2));
    read (childr, buf, sizeof (String1));
    printf ("Child: %s\n", buf);
  }
}
```