```
int main(int argc, char *argv[])
int fd, i, mode = 0;
char c:
if (argc < 2) {
   fprintf(stderr, "Usage: %s <O_RDONLY | O_WRONLY | O_NONBLOCK>\n", argv[0]);
  exit (EXIT FAILURE);
 for (i = 1; i < argc; i++) {
   if (strncmp(*++argv, "O RDONLY", 8) == 0)
       mode = O_RDONLY;
   if (strncmp(*argv, "O WRONLY", 8) == 0)
     mode = 0 WRONLY;
   if (strncmp(*argv, "O NONBLOCK", 10) == 0)
     mode = O NONBLOCK;
 if (access (FIFO NAME, F OK) == -1) mkfifo (FIFO NAME, 0777);
 printf("Process %d: FIFO(fd %d, mode %d) opened.\n",
        getpid(), fd = open(FIFO NAME, mode), mode);
 if (\text{mode} == 0) |\text{mode} == 2048)
     while (read(fd, &c, 1) == 1) putchar(c);
 if (\text{mode} == 1) \mid (\text{mode} == 2049)
     while ( (c = getchar()) != EOF ) write(fd, &c, 1);
exit (EXIT SUCCESS);
```