```c
/* use fcntl() systemcall as dup() */

#include<stdio.h>

#include<fcntl.h>

#include<unistd.h>

int main()

{

        int fd1,fd2;

        fd1=open("txt1.txt",O_RDONLY|O_CREAT,0777);

        fd2=fcntl(fd1,F_DUPFD,0);  /* fd2=dup(fd1) */

        while(1)

        {

        }

}
```

```
/* how to test*/

gcc –o fcntl fcntl.c

./fcntl &

[3] 3789

cd /proc/3789/fd

ls –lrt
```

0 is the file descriptor for std i/p

1 is the file descriptor for std o/p

2 is the file descriptor for std error

3 and 4 are for txt1.txt