10.Write a C program which creates two files. The first file should have read and

write permission to owner, group of owner and other users whereas second file

has read and write permission to owner(use umask() function). Now turn on

group-id and turn off group execute permission of first file. Set the read

permission to all user for second file (use chmod() function).

#include <fcntl.h>

#include<stdio.h>

#include<stdlib.h>

int main(void)

{

umask(0);

if (creat("foo", 0666) < 0)

printf("creat error for foo");

umask(S\_IRGRP | S\_IWGRP | S\_IROTH | S\_IWOTH);

if (creat("bar", 0666) < 0)

printf("creat error for bar");

struct stat statbuf;

if (stat("foo", &statbuf) < 0)

printf("stat error for foo");

if (chmod("foo", (statbuf.st\_mode & ~S\_IXGRP) | S\_ISGID) < 0)

printf("chmod error for foo");

if (chmod("bar", S\_IRUSR | S\_IRGRP | S\_IROTH) < 0)

printf("chmod error for bar");

exit(0);

}