**Write a C program to get and set the resource limits such as files, memory associated with a process.**

#include<stdio.h>

#include<sys/resource.h>

#include<string.h>

#include<errno.h>

#include<unistd.h>

#include<sys/types.h>

#include<sys/stat.h>

#include<fcntl.h>

int main() {

struct rlimit old\_lim, lim, new\_lim;

// Get old limits

if( getrlimit(RLIMIT\_NOFILE, &old\_lim) == 0)

printf("Old limits -> soft limit= %ld \t"

" hard limit= %ld \n", old\_lim.rlim\_cur, old\_lim.rlim\_max);

else

fprintf(stderr, "%s\n", strerror(errno));

// Set new value

lim.rlim\_cur = 3;

lim.rlim\_max = 1024;

// Set limits

if(setrlimit(RLIMIT\_NOFILE, &lim) == -1)

fprintf(stderr, "%s\n", strerror(errno));

if( getrlimit(RLIMIT\_NOFILE, &new\_lim) == 0)

printf("New limits -> soft limit= %ld" "\t hard limit= %ld \n", new\_lim.rlim\_cur,new\_lim.rlim\_max);

else

fprintf(stderr, "%s\n", strerror(errno)); return 0;

}