**12.Write a C program to send SIGALRM signal by child process to parent process and parent process make a provision to catch the signal and display alarm is fired.(Use Kill, fork, signal and sleep system call)**

#include <fcntl.h>

#include <unistd.h>

#include <stdio.h>

#include <signal.h>

#include <sys/types.h>

#include <sys/wait.h>

#include <stdlib.h>

void fire\_alarm()

{

printf("Alarm Fired\n");

}

int main()

{

int time=10,pid,ppid;

ppid = getpid();

pid=fork();

if(pid==0)

{

printf("Sending alarm to parent\n");

sleep(time);

kill(ppid,SIGALRM);

}

else {

signal(SIGALRM,fire\_alarm);

wait(0);

}

}