```c
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/types.h>
#include <sys/stat.h>
#include <sys/wait.h>
#include <fcntl.h>
#include <time.h>
void factorial(int numero){
    int fact = 1;
    for (int c = 1; c <= numero; c++){
        fact = fact * c;
    }
    printf("el factorial de %d es %d", numero, fact);
}

void pipe1(){
    srand(time(NULL));
    int n = rand() % 11;
    char numChar[3];
    sprintf(numChar, "%d", n);
    numChar[2] = '\n';
    int  fp;
    fp = open("FIFO1",1);
    write(fp,numChar,sizeof(numChar));
    close(fp);
}

void pipe2(){
    int  fp;
    fp = open("FIFO2",1);
    srand(time(NULL));
        char numChar[2];
        int n = rand() % 11;
        sprintf(numChar, "%d", n);
        write(fp,numChar,sizeof(numChar));
    close(fp);
}

void padre(){
    pipe1();
}

void hijo(){
    int cont = 0;
    char numero[2];
    int  fp;
    int  p,  leidos;
    char buffer[10];
```

```
    p=mkfifo("FIFO1",  S_IFIFO|0666);
    fp = open("FIFO1", 0);
    do{
        leidos=read(fp,buffer,1)    ;
        if (buffer[0] >= '0' && buffer[0] <= '9'){
            numero[cont] = buffer[0];
            cont++;
        }
    }while(leidos != 0);
    int n;
    sscanf(numero,"%d",&n);
    factorial(n);
    close(fp);
}

int main()
{
    pid_t pid;
    pid = fork();
    if(pid==0){
        wait(NULL);
        hijo();
    }else {
        padre();
    }
    return 0;
}
```