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4
5 #include <stdio.h>
6 #include <stdlib.h>
7 #include <string.h>
8 #include <unistd.h>
9 #include <sys/ipc.h>
10 #include <sys/wait.h>
11 #include <fcntl.h>
12 #include <sys/shm.h>
13 #include <sys/stat.h>
14 #include <sys/mman.h>
15 #include <time.h>
16 #include <sys/msg.h>
17 #include <errno.h>
18 #include <mqueue.h>
19 #include "Record.h"
20 #include "Query.h"
21
22 int main(){
23     printf("Output: \n");
24
25     int fd;
26     Query query;
27     Record record;
28
29     char assistant_pipe[] = "./AssistantPipe";
30     mkfifo(assistant_pipe, 0666);
31
32     if ((fd = open(assistant_pipe, O_RDONLY)) < 0)
33         perror("Output: error opening...");
34
35     while(1){
36         bzero(&record, sizeof(Record));
37
38         if (read(fd, &record, sizeof(Record)) < 0)
39             perror("Output: error reading...");
40
41         // Terminate when told
42         if(strcmp(record.employee_name, "exit") == 0)
43             break;
44
45         // printf("Name: %s, Title: %s, Status: %s\n", query.employee_name, query.job_title, query.status);
46         printf("%d %s %s %.2f %.2f %.2f %s %.2f %d %d %d %d\n",
47             record.id,
48             record.employee_name,
49             record.job_title,
50             record.base_pay,
51             record.overtime_pay,
52             record.benefit,
53             record.status,
54             record.satisfaction_level,
55             record.number_project,
56             record.average_monthly_hours,
57             record.time_spend_company_in_yrs,
58             record.work_accident,
59             record.promotion_last_5years);
60     }
61
62     close(fd);
63     return 0;
64

```