

manager.c

```
#include
#include
#include // for fork
#include // for pid_t
#include //for mkfifo
#include // for exit(1)
#include // for strlen
#include // for wait
#include //for file stuff
#include "defs.h" //our definitions

/**
 * Author: Tyler Tucker
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 * Date: March 15th, 2020
 * Program Description: This file takes input from the user and then puts it
 * together and sends it to the assistant for use until it is terminated
 */

void manager() {
char temp[30];
char toSend[93];
int fd;
char pipe[] = ".pipe";

/* create the FIFO (named pipe) */
mkfifo(pipe, 0666);

// Open pipe as write only for the manager
if((fd = open(pipe, O_WRONLY | O_CREAT)) < 0) perror("Pipe failure");

while(TRUE){ //Get user info and put in a single character array
printf("Hello, What employee would you like information on?\n");
scanf("%[^\n]%*c", temp);
strcat(toSend, temp);
strcat(toSend, ",");
memset(temp, 0, sizeof(temp));

printf("What is their job title?\n");
scanf("%[^\n]%*c", temp);
strcat(toSend, temp);
strcat(toSend, ",");
memset(temp, 0, sizeof(temp));

printf("What is their job status?\n");
scanf("%[^\n]%*c", temp);
strcat(toSend, temp);
memset(temp, 0, sizeof(temp));
```

```
printf("You are looking for: %s\n", toSend);
printf("The assistant will report back to you shortly in their terminal\n\n");

//writing info to pipe for the assistant
if(write(fd, toSend, sizeof(toSend) + 1) < 0) perror("Write Failure");
memset(toSend, 0, sizeof(toSend));
sleep(5);
}

// Close plpe
close(fd);

/* remove the FIFO */
unlink(pipe);
}
```