#include <stdio.h>

#define INFILENAME "input.txt"

#define BUFFERSIZE 64

typedef struct {

char firstName[BUFFERSIZE];

char lastName[BUFFERSIZE];

int income;

} Person;

int main(void) {

FILE \*inputFile = fopen(INFILENAME, "r");

if (inputFile == NULL) {

printf("File %s not found.\n", INFILENAME);

return -1;

}

Person peopleData[10];

char lineBuffer[BUFFERSIZE];

int i = 0;

while (!feof(inputFile)) {

fgets(lineBuffer, sizeof(lineBuffer), inputFile); // read one line to buffer

int scanResult = sscanf(lineBuffer, "%s %s %d", peopleData[i].firstName, peopleData[i].lastName, &peopleData[i].income);

if (scanResult == EOF) { // EOF is defined as -1

printf("End of file!\n");

} else {

printf("%d variables were read in\n", scanResult);

}

// move on to save into next index only if the current one was successfully read, therefore skipping incomplete entries

if (scanResult == 3) i++;

}

int totalRead = i; // let's save how many entries were actually read in

printf("\nData read in:\n");

for (i=0; i<totalRead; i++) {

printf("%3d) %s %s\t-%6d EUR\n", i+1, peopleData[i].firstName, peopleData[i].lastName, peopleData[i].income);

}

return 0;

}