#include <stdio.h>

#include <string.h>

struct info{

int acctNum;

float currentBalance;

char name[20];

};

void function()

{

struct info client[10] = {0};

struct info trans[10] = {0};

FILE \*ofptr;

ofptr = fopen("oldmast.dat", "r");

int count = 0;

while(!feof(ofptr)){

fscanf(ofptr, "%d%f%20s", &client[count].acctNum, &client[count].currentBalance, client[count].name);

count++;

}

fclose(ofptr);

FILE \*tfptr;

tfptr = fopen("trans.dat", "r");

count = 0;

while(!feof(tfptr)){

fscanf(tfptr, "%d %f", &trans[count].acctNum, &trans[count].currentBalance);

count++;

}

for(int i = 0; i < 10; i++){

for(int j = 0; j < 10; j++){

if(client[j].acctNum == trans[j].acctNum){

client[j].currentBalance += trans[j].currentBalance;

trans[j].currentBalance = 0;

}

}

}

fclose(tfptr);

FILE \*nfptr;

nfptr = fopen("newmast.dat", "w");

count = 0;

fprintf(tfptr, "%s %s %s\n", "accountNum", "name", "currentBalance");

while(client[count].acctNum != 0){

fprintf(nfptr, "%d %s %.2f\n", client[count].acctNum, client[count].name, client[count].currentBalance);

count++;

}

for (int i = 0; i < 10; i++)

{

if(trans[i].currentBalance != 0)

fprintf(tfptr, "未匹配的账户号码为%d的交易记录\n", trans[i].acctNum);

}

fclose(nfptr);

}

int main(void)

{

printf("Loading...\n");

function();

printf("Done!\n");

return 0;

}