//Name: Mehmet Fatih Celik

//ID: 2385268

#include <stdio.h>

int main(){

char cus;

int cus\_d=0, cus\_h=0, cus\_p=0, patient\_untreated=0, patient\_counter=0;

do{

fflush(stdin);

printf("Type (d: dermatologist, h: heart surgeon, p: pediatrician, x: exit): ");

scanf("%c",&cus);

if (cus=='p'){

cus\_p++;

patient\_counter++;

if (cus\_p >5){

printf("Patient %d untreated!\n",patient\_counter);

patient\_untreated++;

}

else

printf("Pediatrician %d treats patient %d\n",cus\_p,patient\_counter);

}

if (cus=='d'){

cus\_d++;

patient\_counter++;

if (cus\_d >2){

printf("Patient %d untreated!\n",patient\_counter);

patient\_untreated++;

}

else

printf("Dermatologist %d treats patient %d\n",cus\_d,patient\_counter);

}

if (cus=='h'){

cus\_h++;

patient\_counter++;

if (cus\_h >3){

printf("Patient %d untreated!\n",patient\_counter);

patient\_untreated++;

}

else

printf("Heart surgeon %d treats patient %d\n",cus\_h,patient\_counter);

}

}while(cus!='x');

printf("%d patients treated, %d patient not treated!",patient\_counter-patient\_untreated,patient\_untreated);

return 0;

}