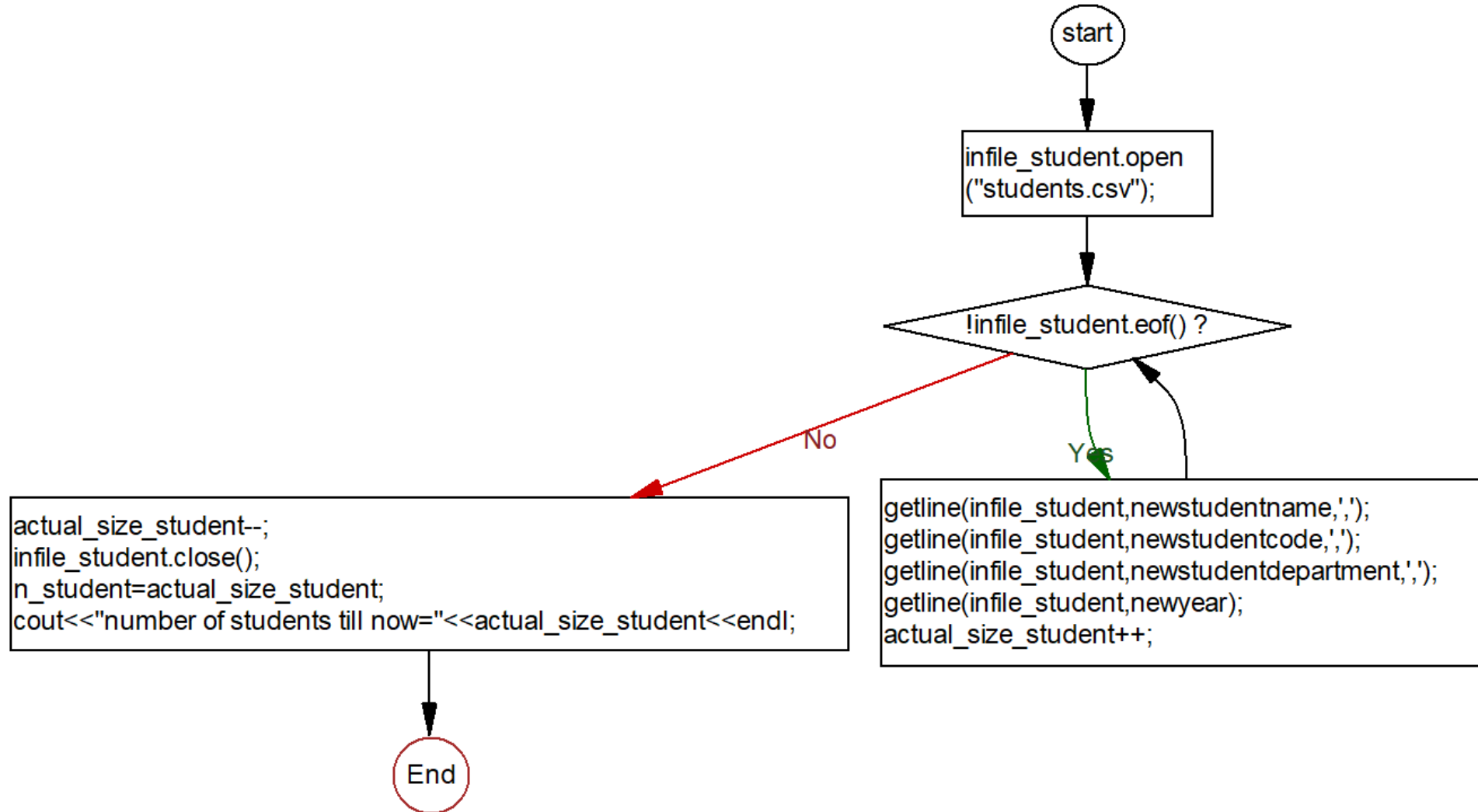
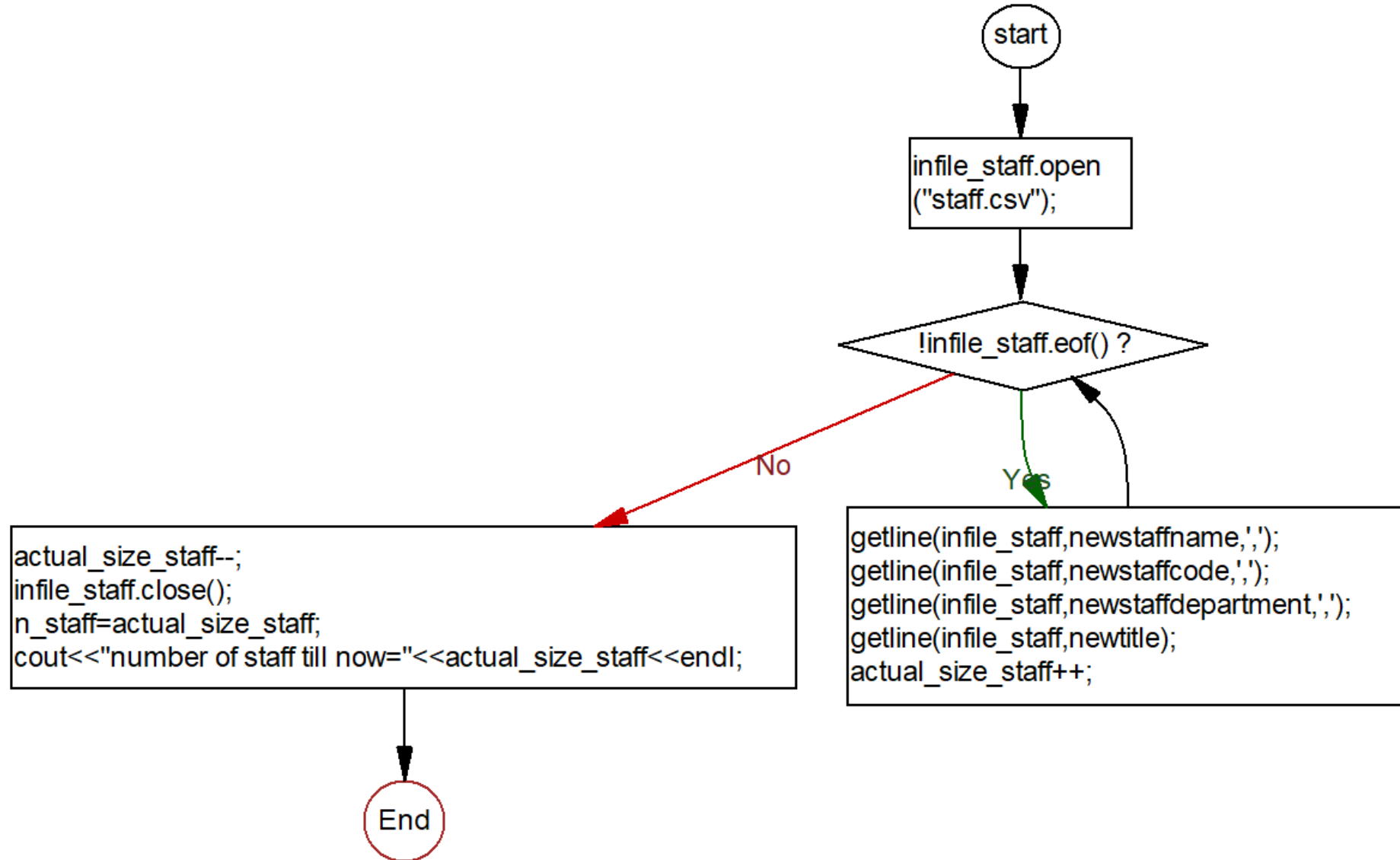


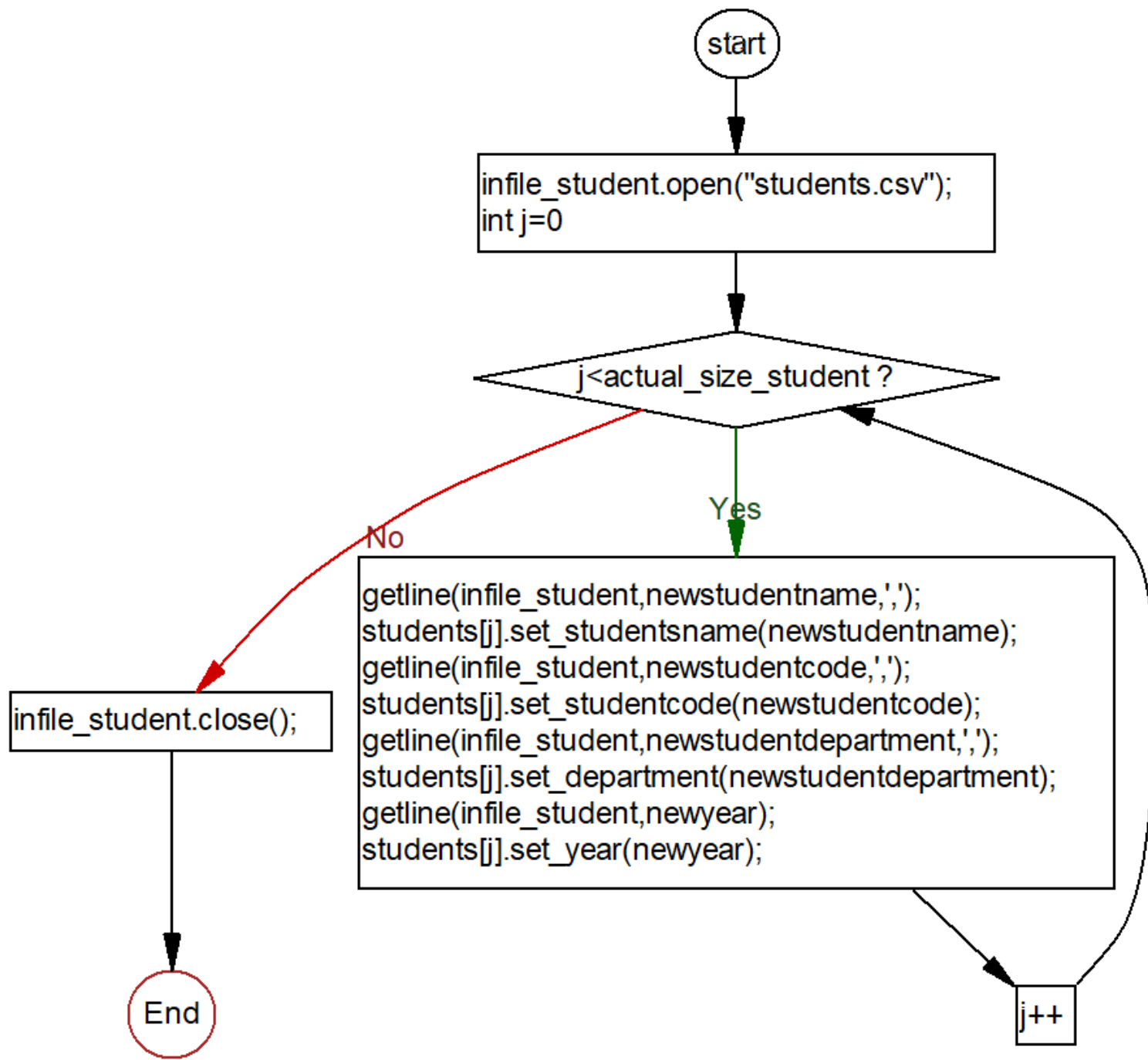
function know number  
of students data



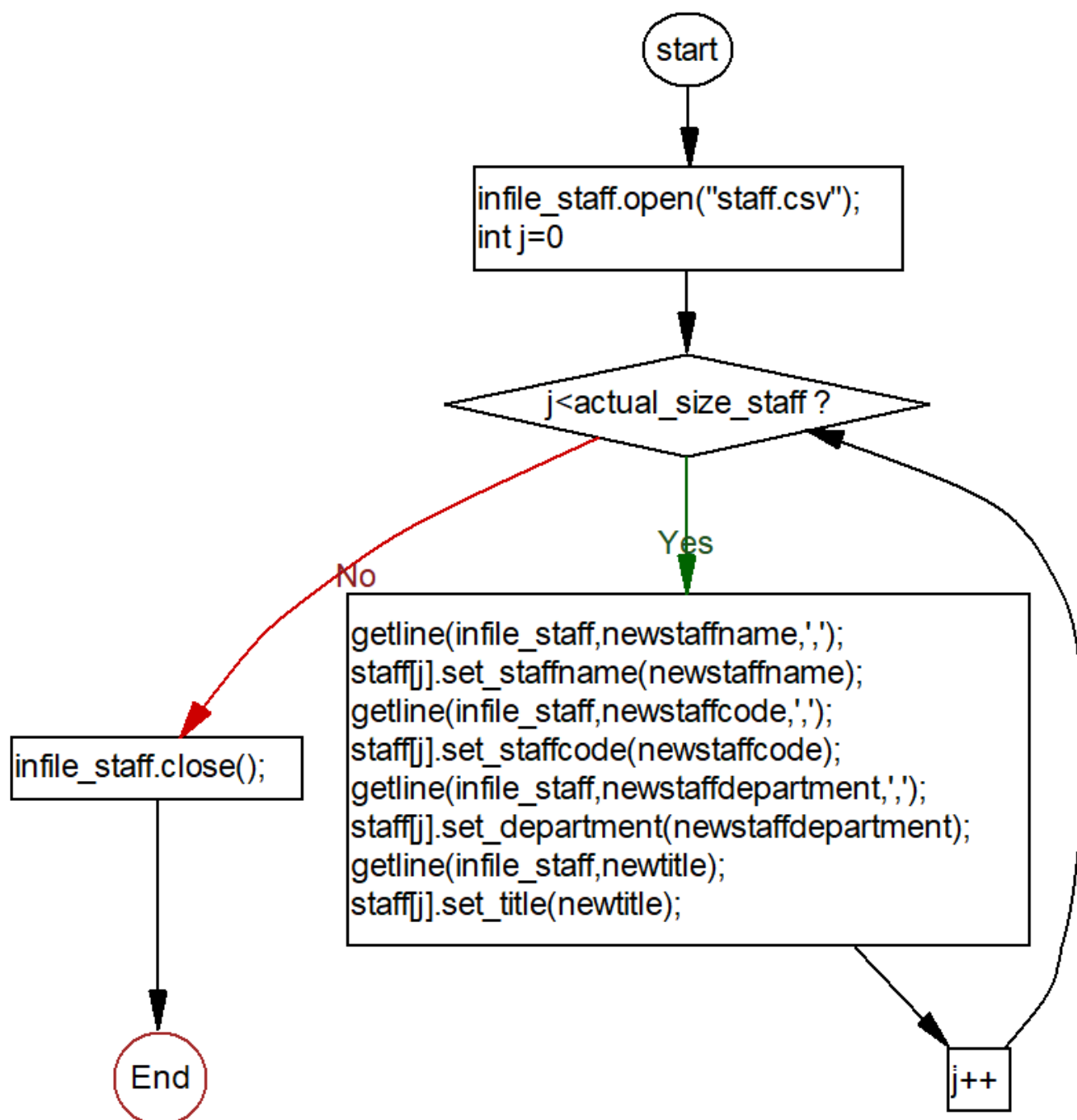
function know  
number of staff data

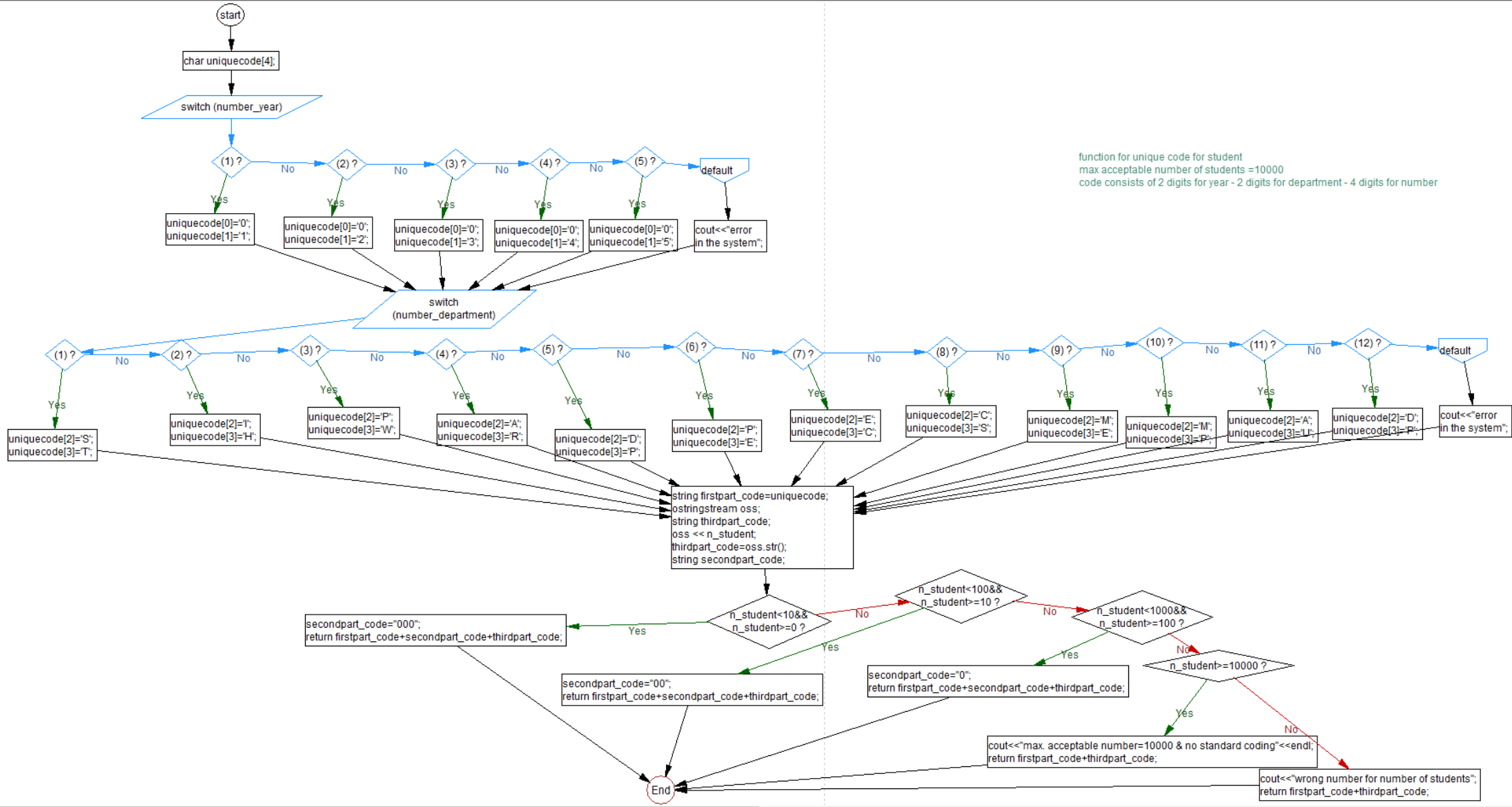


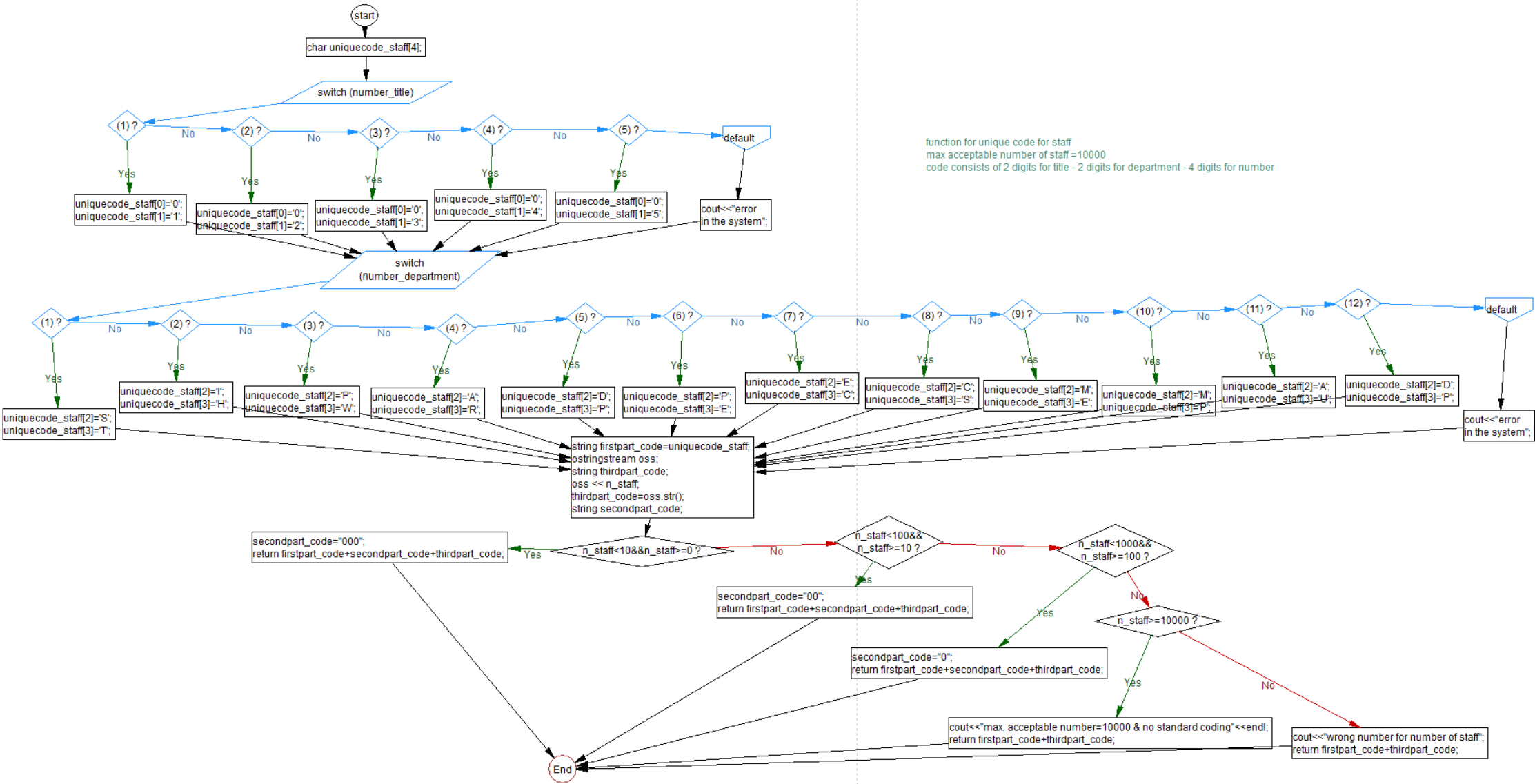
function to load  
student data



function to  
load staff data







to enter new name or change  
for student

start



```
string firstpart_name,secondpart_name;  
cout<<"enter first name"<<endl;  
cin>>firstpart_name;  
cout<<"enter second name"<<endl;  
cin>>secondpart_name;  
newstudentname=firstpart_name+" "+secondpart_name;  
return newstudentname;
```



End

to enter new name  
or change for staff

start

```
string firstpart_name,secondpart_name;  
cout<<"enter first name"<<endl;  
cin>>firstpart_name;  
cout<<"enter second name"<<endl;  
cin>>secondpart_name;  
newstaffname=firstpart_name+" "+secondpart_name;  
return newstaffname;
```

End



number of department  
for student

start

```
cout<<"choose number of department"<<endl;
cout<<"1-Structure"<<"\n"<<"2-Irrigation and hydraulics"<<"\n"<<"3-Public
works"<<"\n"<<"4-Architecture"<<"\n"<<"5-Urban Design and Planning"<<endl;
cout<<"6-Power and Electrical Machines"<<"\n"<<"7-Electronics and Electrical
Communication"<<"\n"<<"8-Computer and Systems"<<"\n"<<"9-Mechatronics"<<endl;
cout<<"10-Mechanical Power"<<"\n"<<"11-Automotive"<<"\n"<<"12-Design and Production"<<endl;
cin>>chosennumber_department_student;
```

Yes

chosennumber\_department\_student  
<0||chosennumber\_department\_Student>12 ?

No

```
newstudentdepartment=department
[chosennumber_department_student-1];
return chosennumber_department_student;
```

End

number of  
department for staff

start

```
cout<<"choose number of department"<<endl;
cout<<"1-Structure"<<"\n"<<"2-Irrigation and hydraulics"<<"\n"<<"3-Public
works"<<"\n"<<"4-Architecture"<<"\n"<<"5-Urban Design and Planning"<<endl;
cout<<"6-Power and Electrical Machines"<<"\n"<<"7-Electronics and Electrical
Communication"<<"\n"<<"8-Computer and Systems"<<"\n"<<"9-Mechatronics"<<endl;
cout<<"10-Mechanical Power"<<"\n"<<"11-Automotive"<<"\n"<<"12-Design and Production"<<endl;
cin>>chosennumber_department_staff;
```

Yes

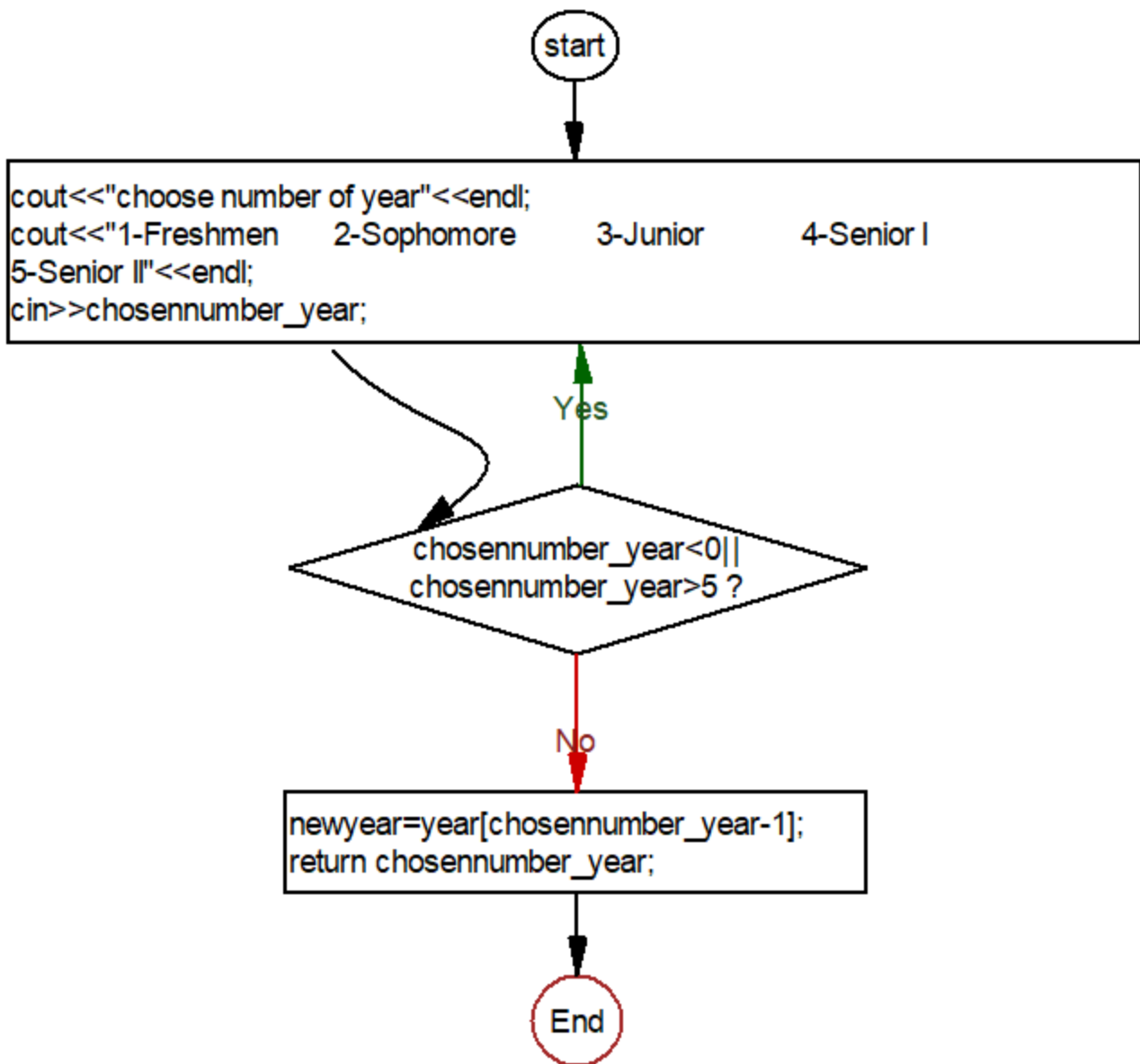
chosennumber\_department\_staff  
<0||chosennumber\_department\_staff>  
12 ?

No

```
newstaffdepartment=department[chosennumber_department_staff-1];
return chosennumber_department_staff;
```

End

number of year  
for student



number of title for staff

start

```
cout<<"choose number of title"<<endl;  
cout<<"1-Demonstrator    2-Teaching Assistant    3-Teacher    4-Assistant  
professor    5-Professor"<<endl;  
cin>>chosennumber_title;
```

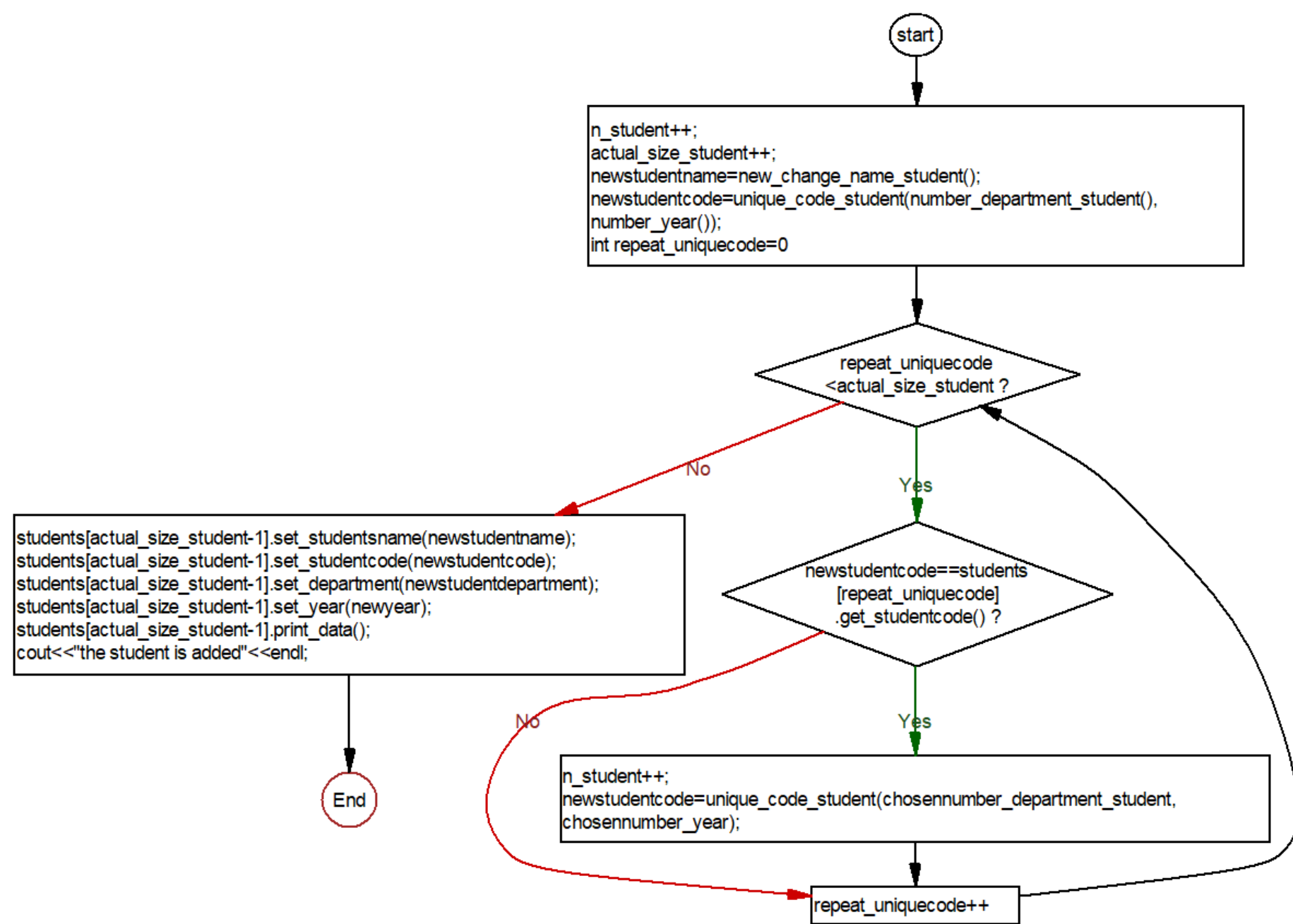
Yes

$\text{chosennumber\_title} < 0 \parallel$   
 $\text{chosennumber\_title} > 5 ?$

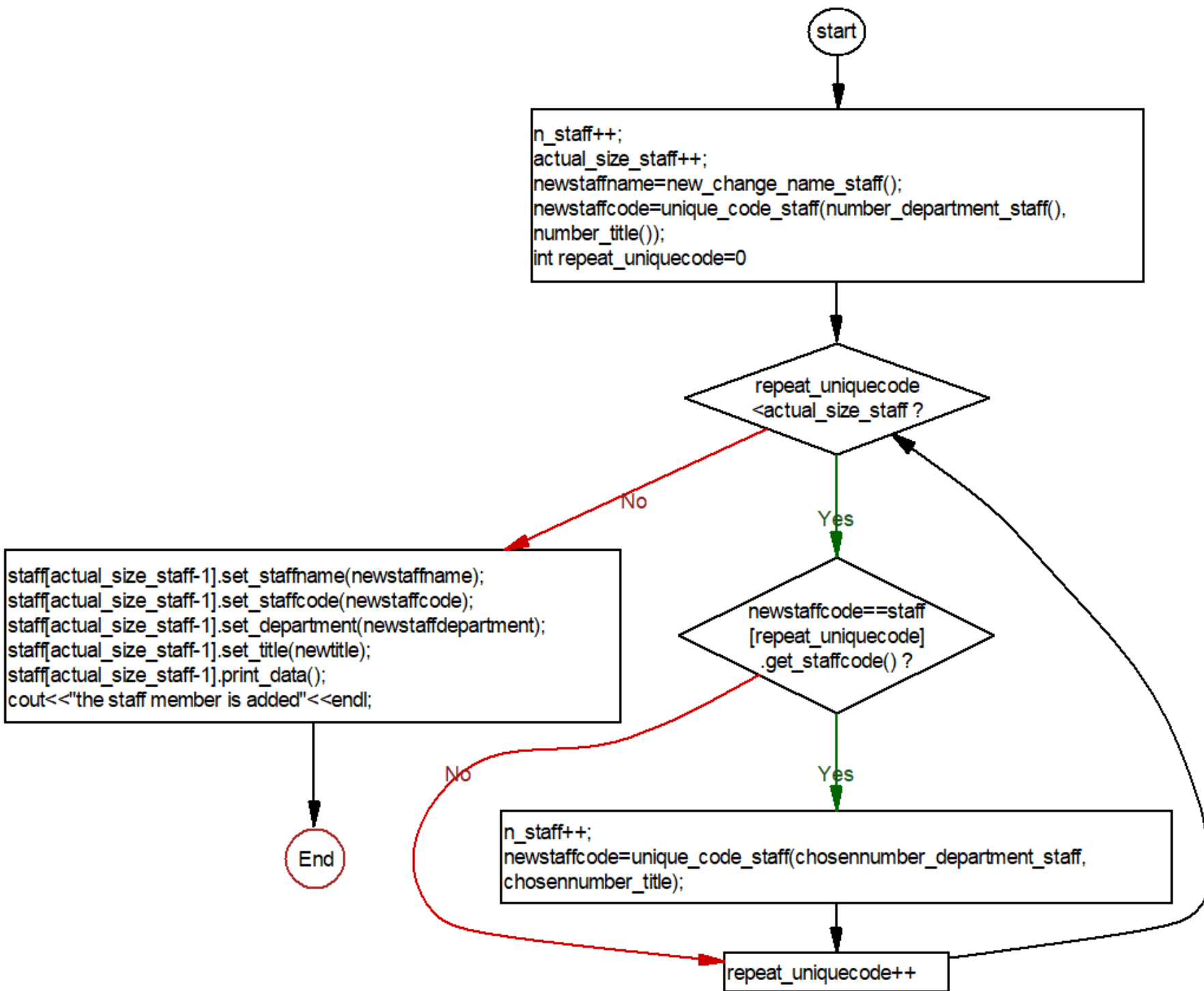
No

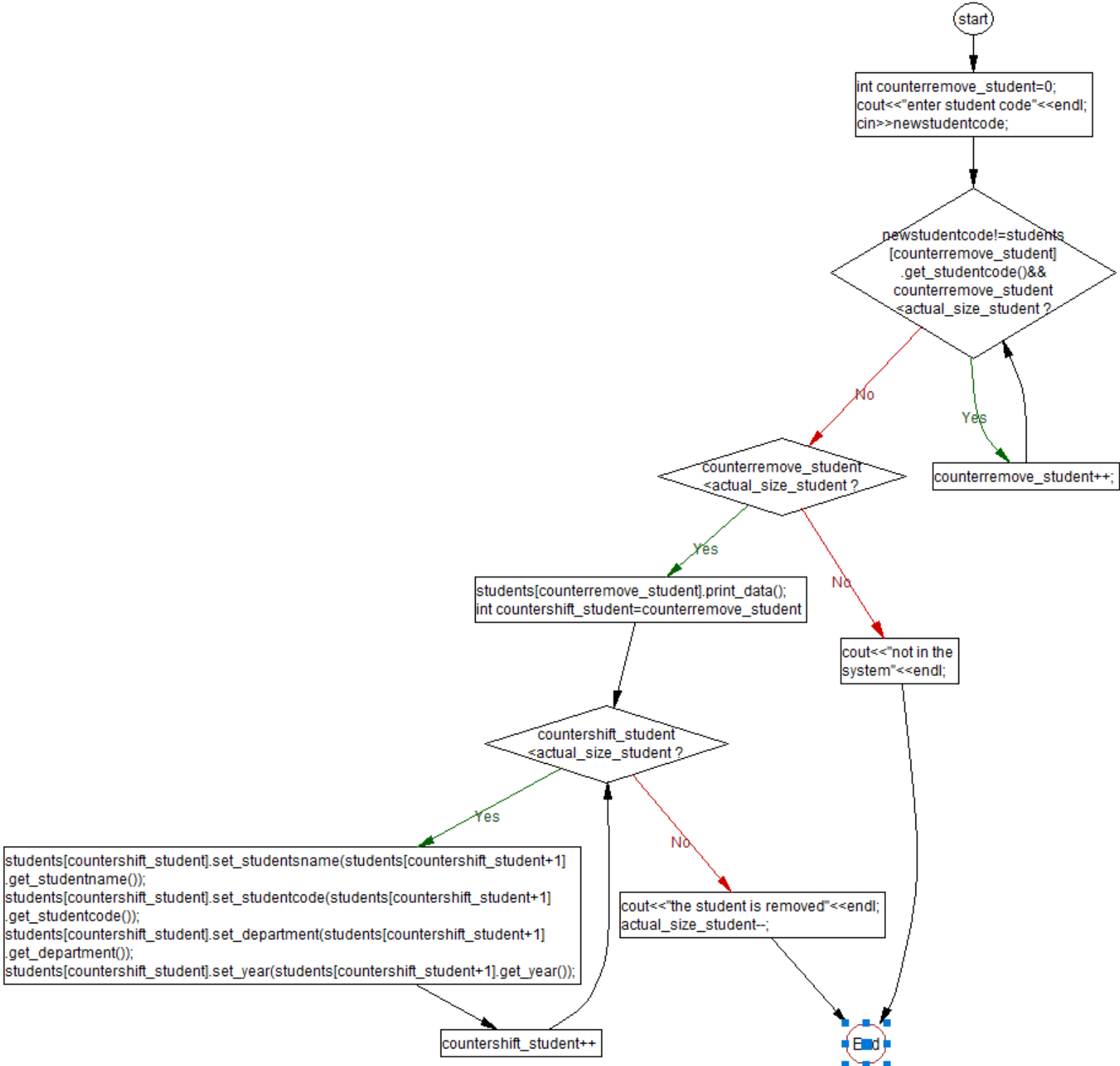
```
newtitle=title[chosennumber_title-1];  
return chosennumber_title;
```

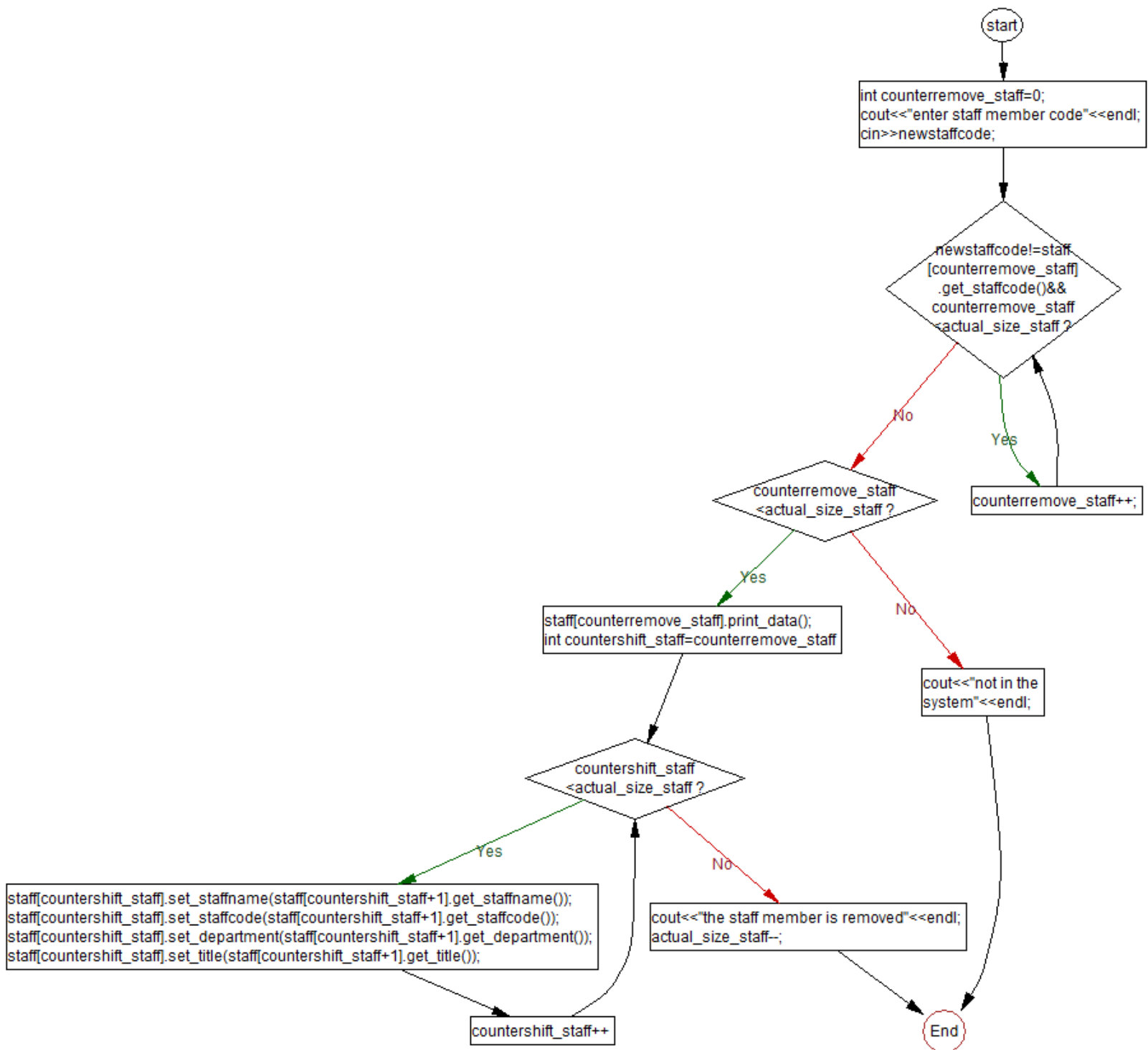
End



add staff

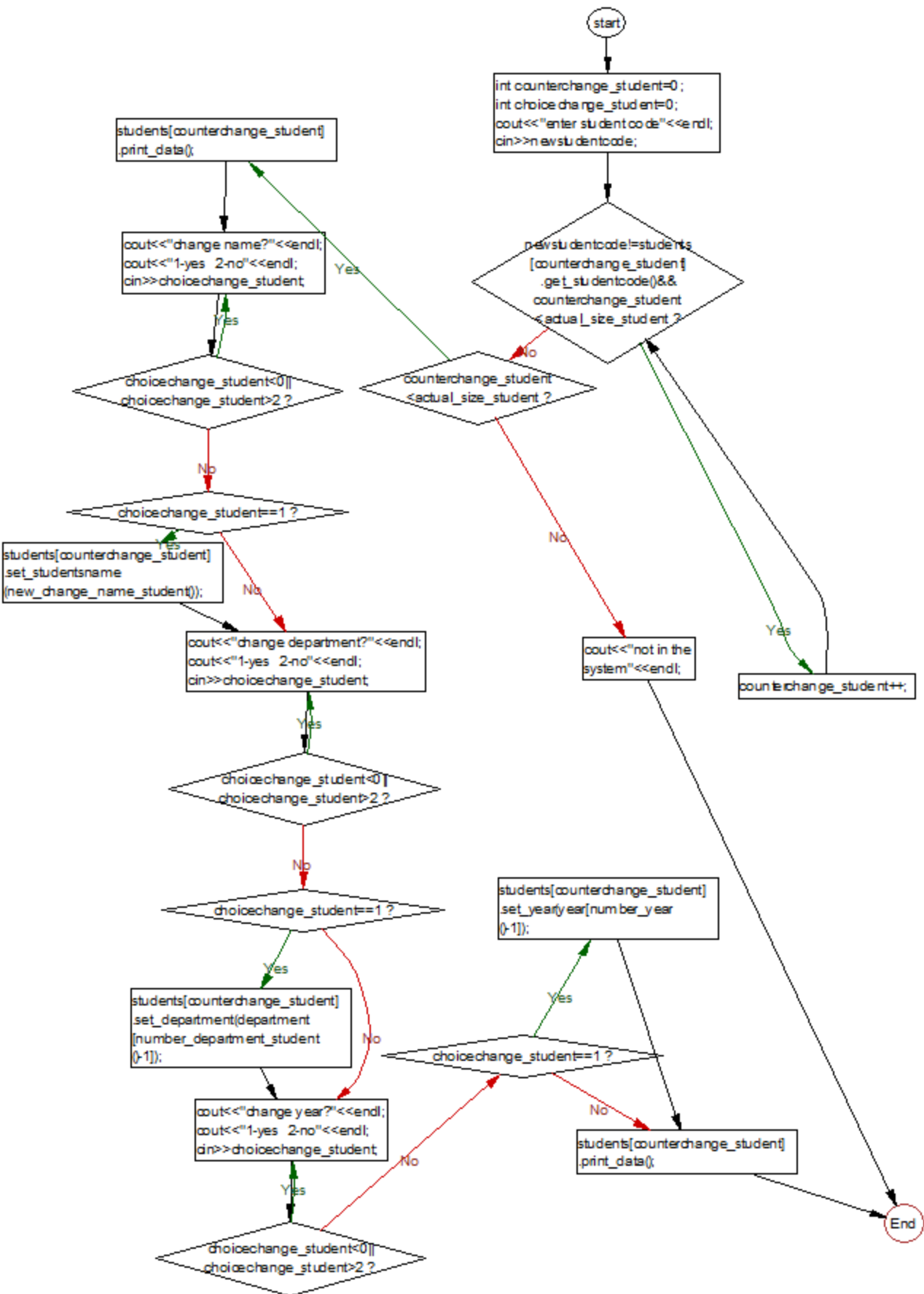


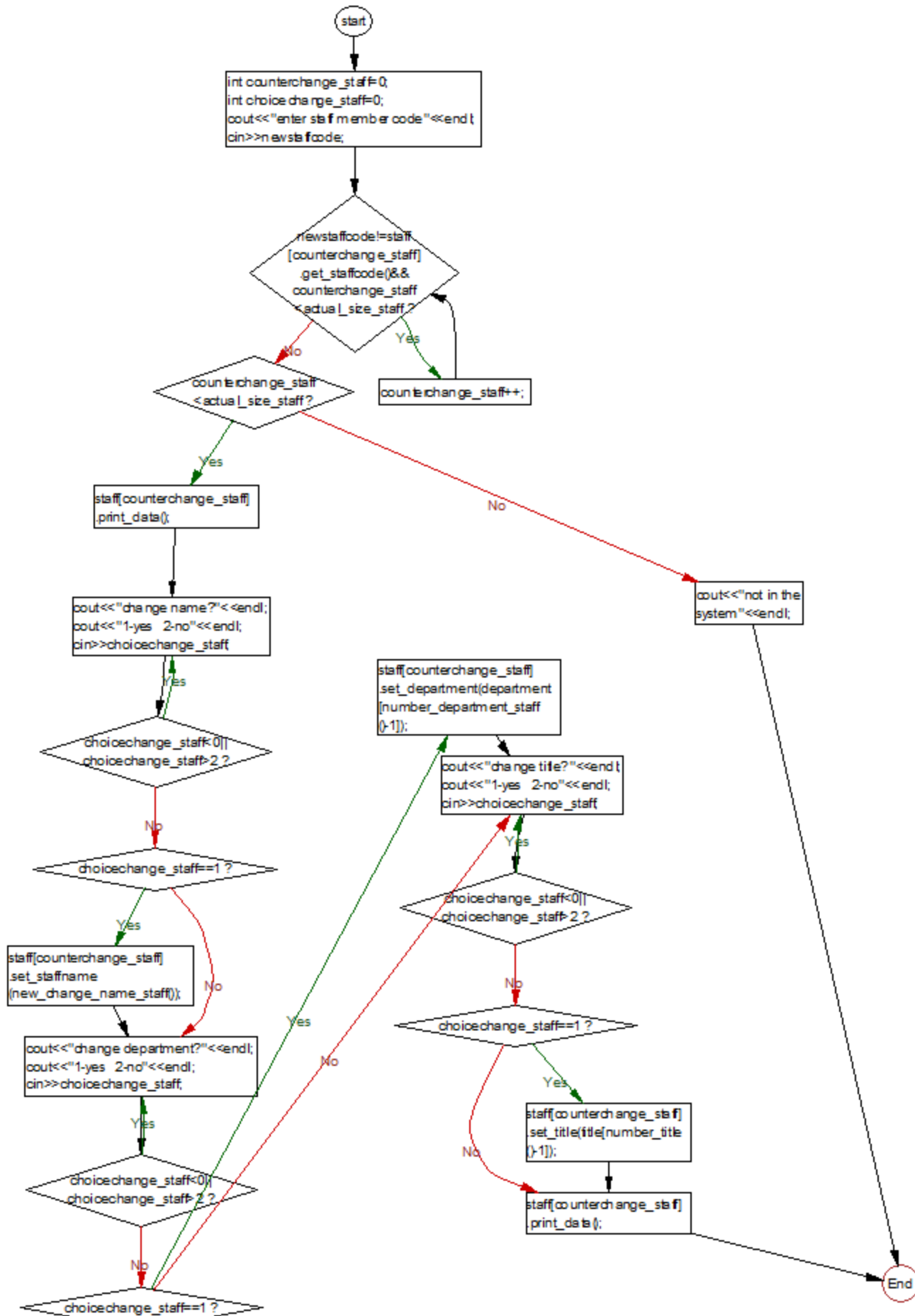




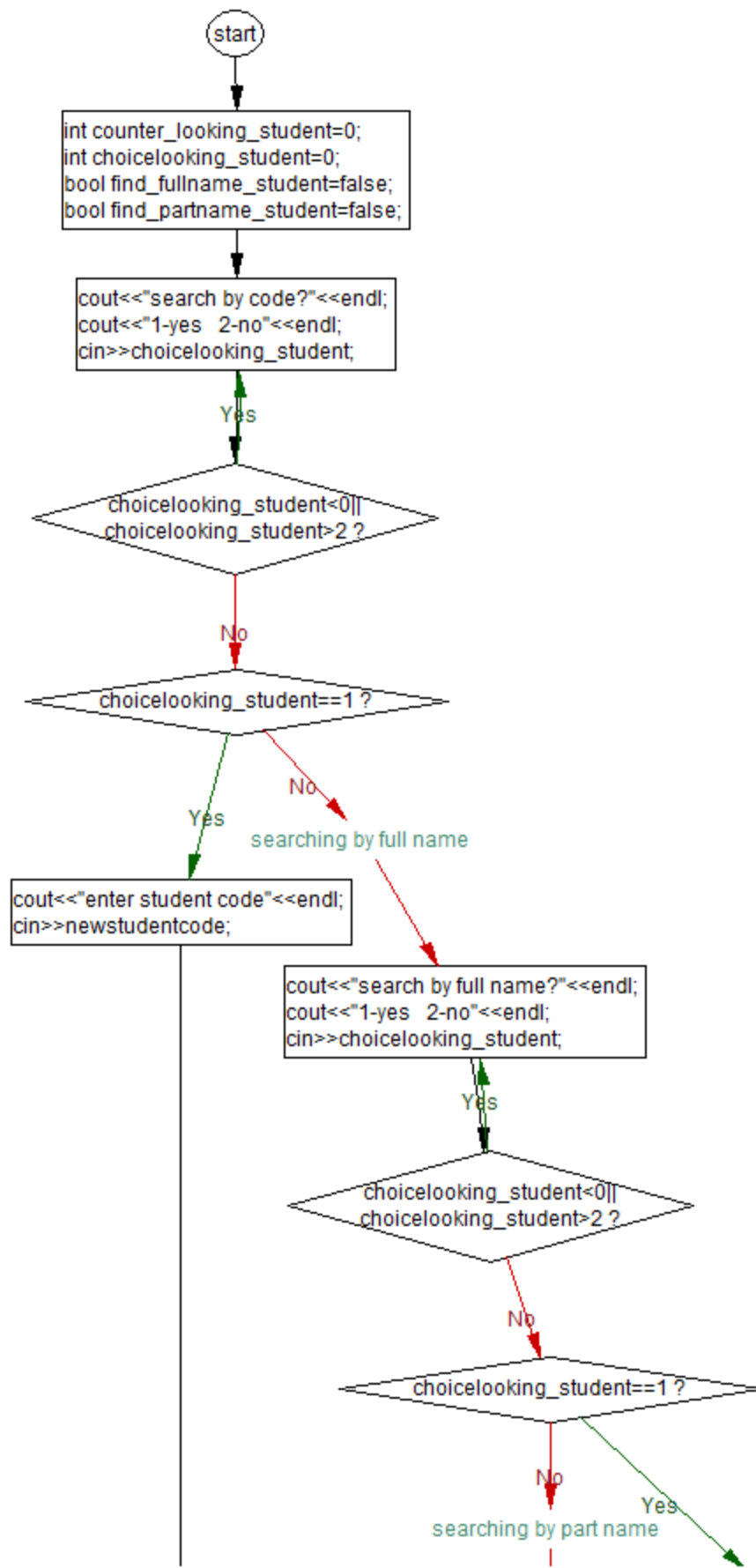


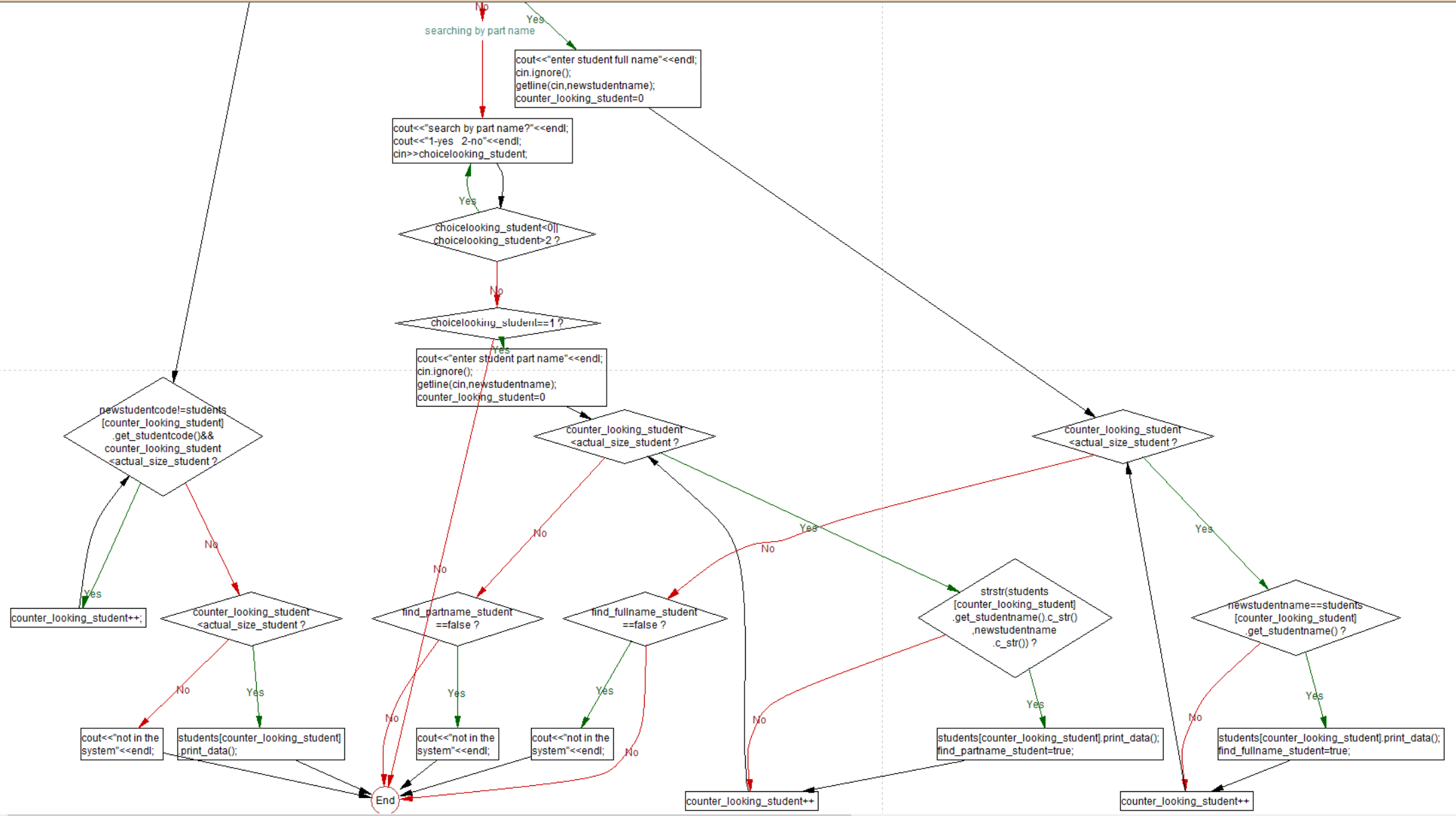
modify student

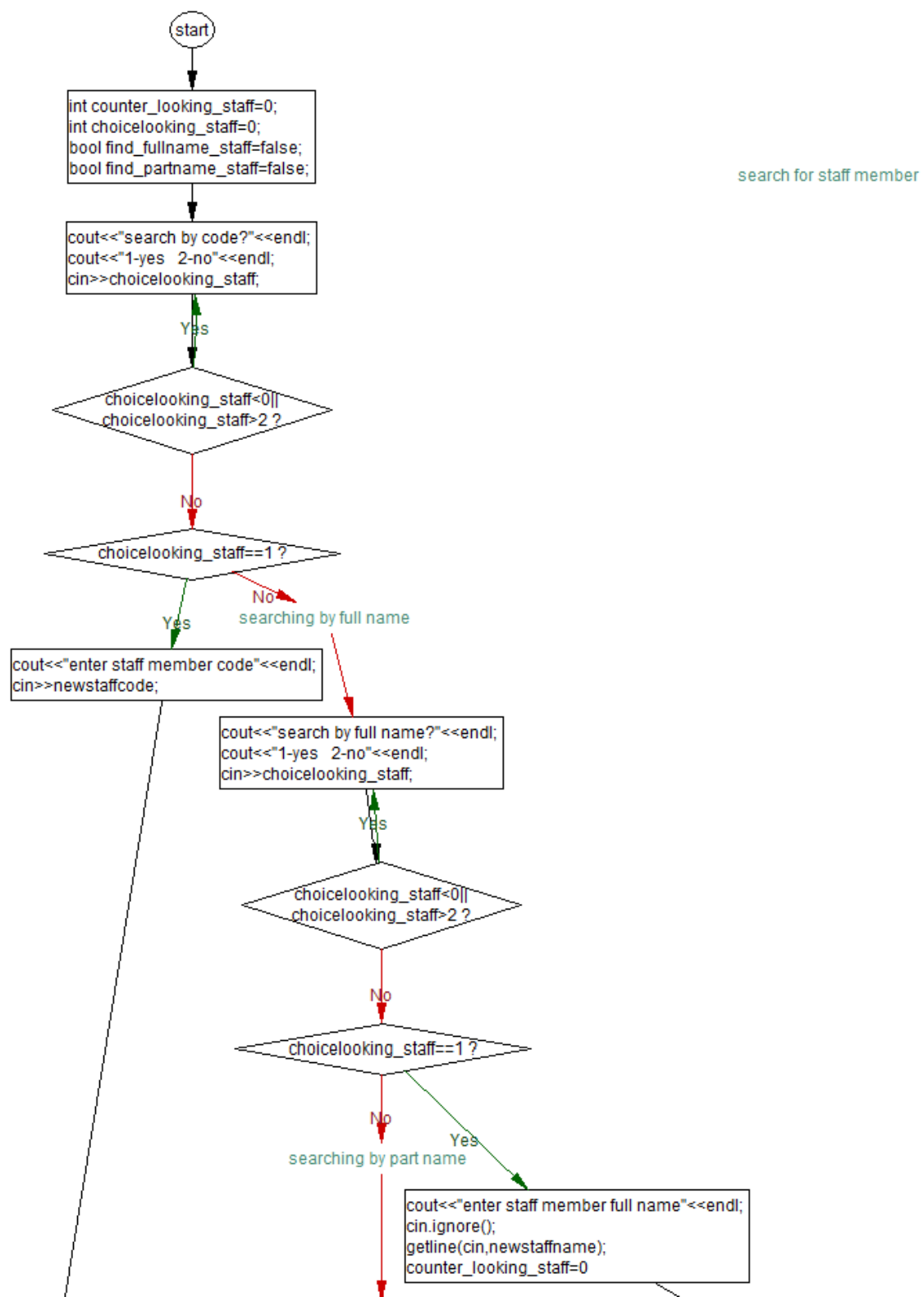


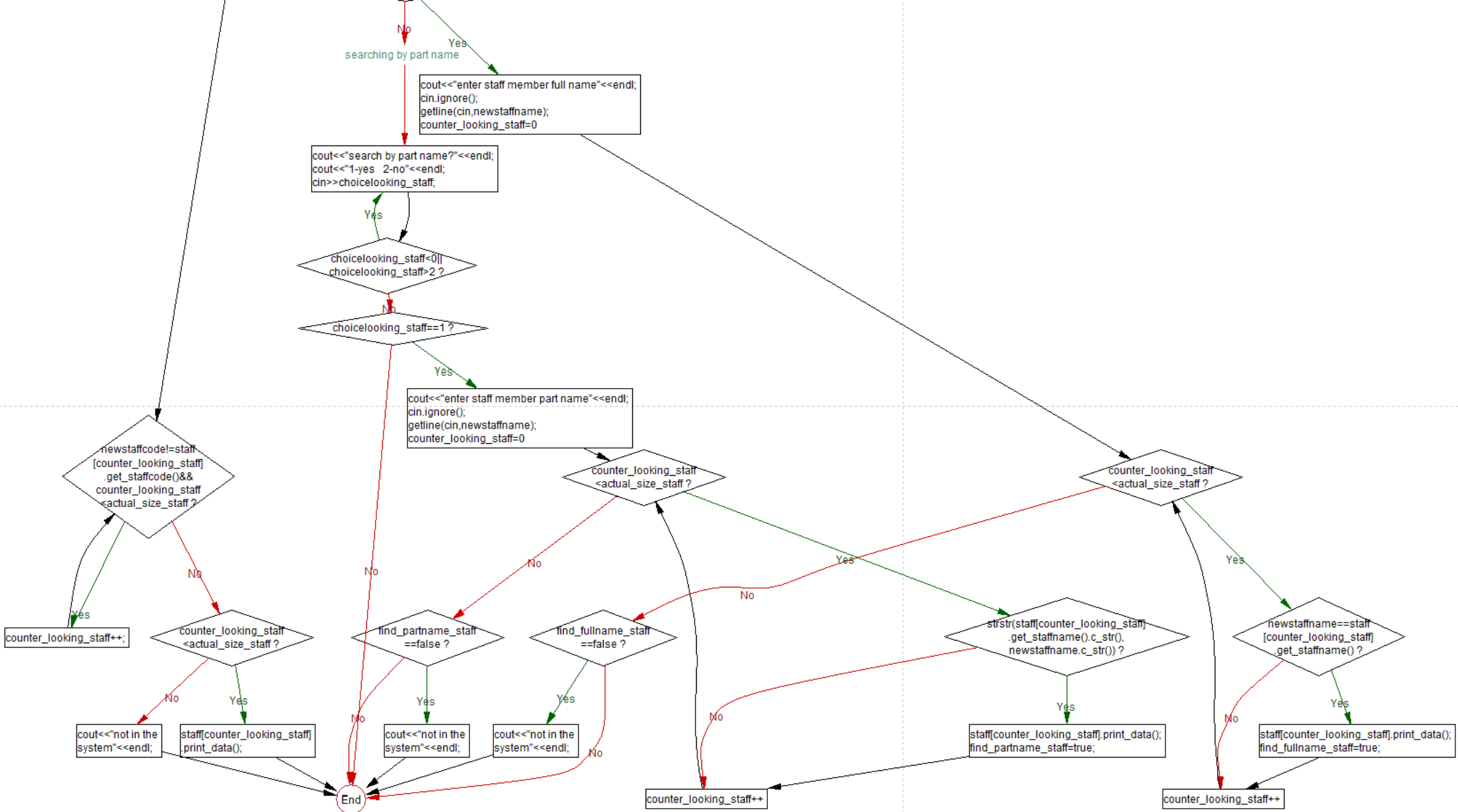


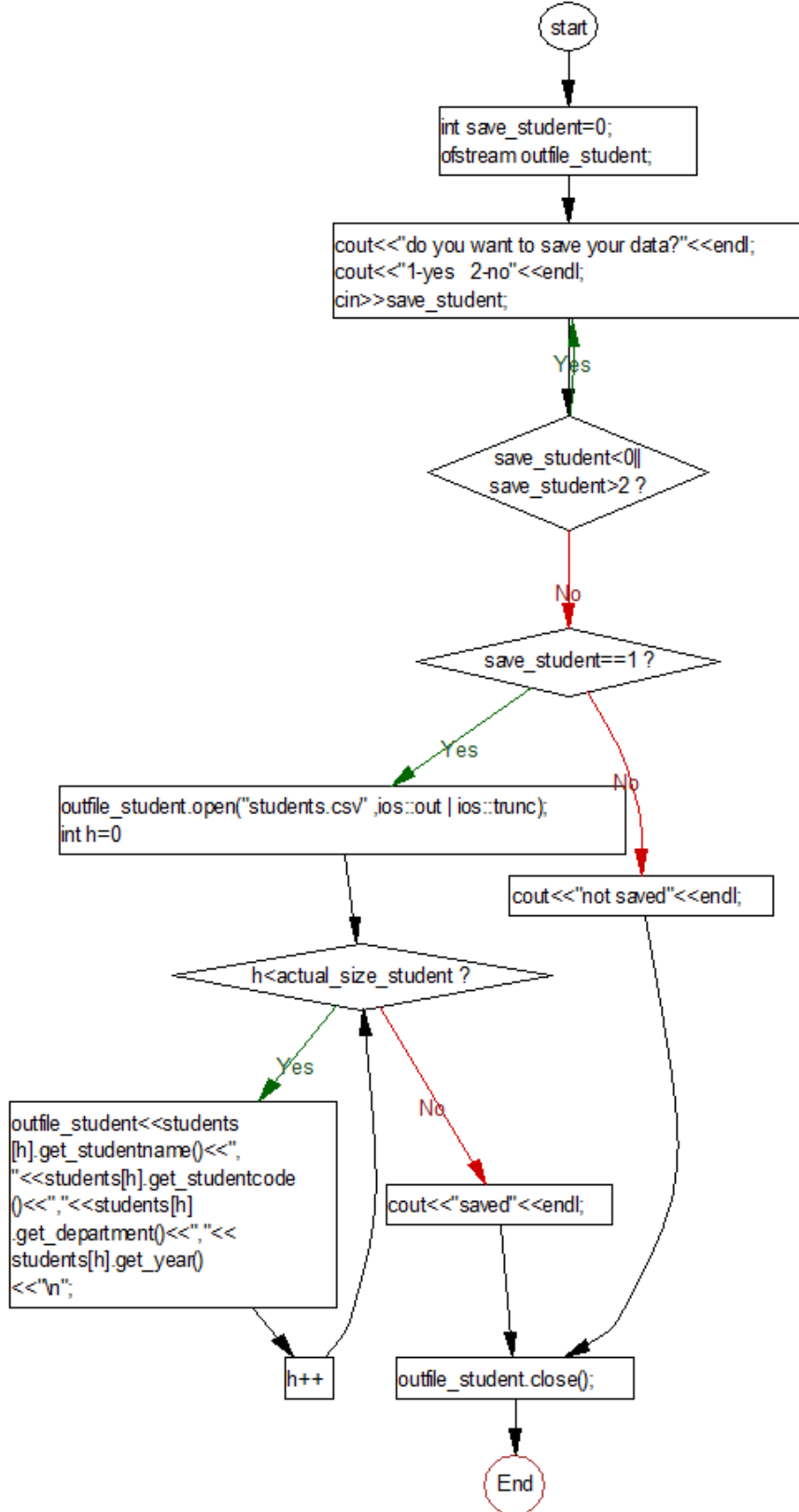
# search for a student



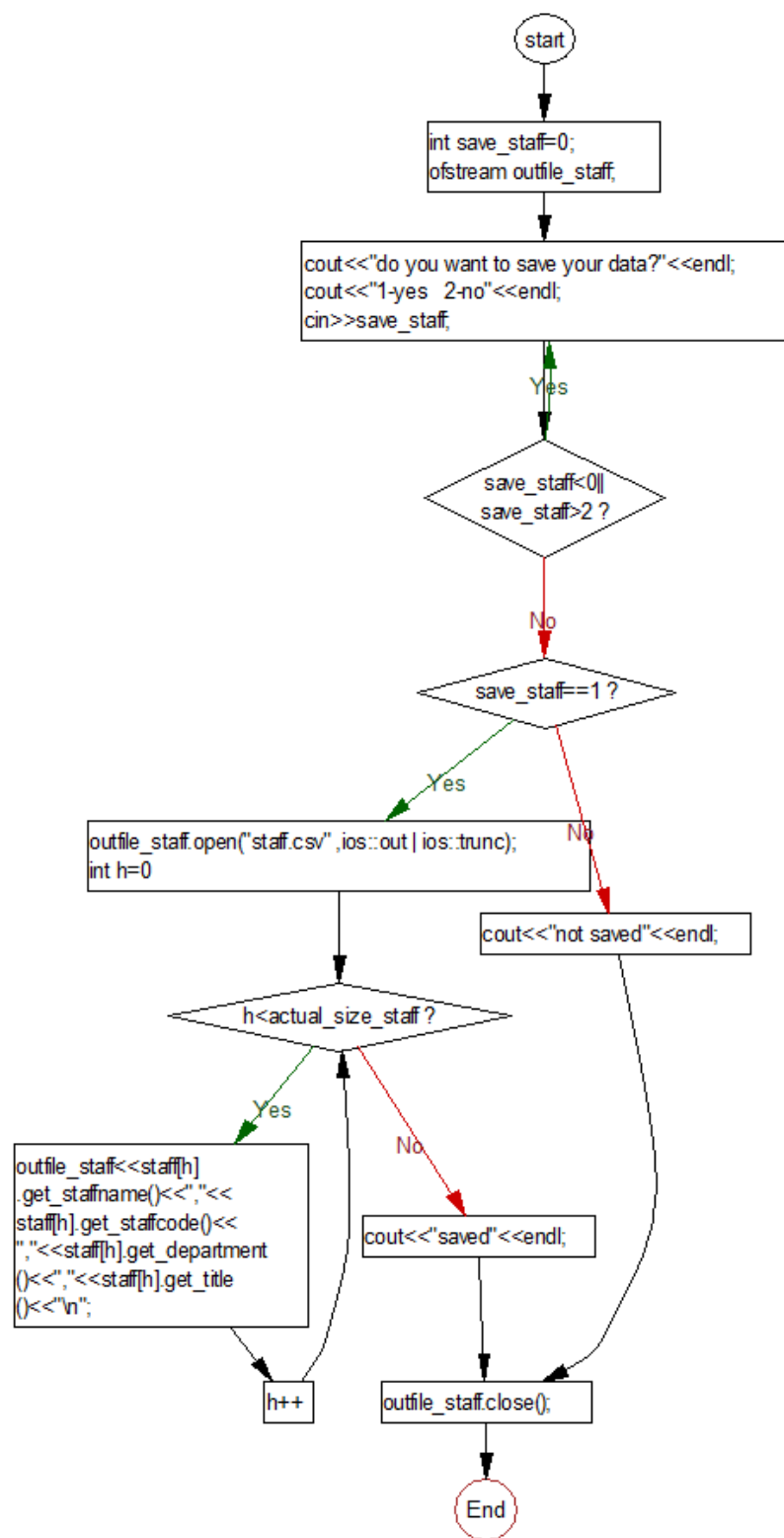








save data of student



save data of staff member



