

## 參考解答

```
using namespace std;
#include <iostream>
#include <cstring>
#include "name.h"

enum Level{Silver,Gold};

union Preferent{
    float Gold;
    int Silver;
};

struct data
{
    Name *name;
    char tp[10+1];
    Level level;
    Preferent benefit;
};

int main(int argc,char *argv[])
{
    enum {without,have}search;
    data *person=new data [5];
    char name[LenFN+LenLN+1];
    char tmp;
    char lv[10],input[10];
    int i,j,k;
    for(i=0;i<5;i++)
    {

        cin.getline(name,LenFN+LenLN+1);
        person[i].name=setName(name);
        cin.getline(person[i].tp,11);
        cin.getline(lv,10);
        if(strcmp(lv,"Gold")==0)
        {
            person[i].level=Gold;
            cin >>person[i].benefit.Gold;
            cin.get();
        }
    }
}
```

```
    else if(strcmp(lv,"Silver")==0)
    {
        person[i].level=Silver;
        cin >>person[i].benefit.Silver;
        cin.get();
    }
}

search=without;
while(strcmp(input,"Quit")!=0)
{
    cin.getline(input,10);
    cout << "Input: " << input;
    for(i=0;i<5;i++)
    {
        if(strcmp(input,(person[i].name)->firstname)==0)
        {
            if(search==without)
                cout << endl;
            search=have;
            cout << (person[i].name)->lastname ;
            cout << " (" << person[i].tp << ") ";
            cout << (person[i].level==0? "S/":"G/");
            cout << (person[i].level==0? (person[i].benefit.Silver)
:(person[i].benefit.Gold)) << endl;
        }
    }
    if(search==without&&strcmp(input,"Quit")!=0)
        cout << endl<< "Member not found!" << endl;
    search=without;
    cout << endl;
}
cout << "Bye" <<endl;

return 0;
}
```

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