## Lời giải bài thực hành bổ sung 4

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// Ten file: contro.cpp
#include <string>
#include <iostream>
using namespace std;
struct Sinhvien
{
      string tensv;
      int masv;
      int* diem;
      ~Sinhvien(){
            delete diem;
      }
};
void khoitaoSv(Sinhvien* ptr,int n); // nguyen mau ham khoi tao
void hienthiSv(Sinhvien* ptr,int n); // nguyen mau ham hien thi
int main ()
      Sinhvien* svPtr;
      int m,n;
      cout<<"Co tat ca bao nhieu sinh vien:";
      cin>>m;
      svPtr=new Sinhvien[m];
      cout<<"Co tat ca bao nhieu diem:";
      cin>>n;
      for (int i=0;i<m; i++)
      {
            khoitaoSv(&svPtr[i],n); // khoi tao doi tuong
      cout<<"\nDanh sach cac sinh vien:\n";</pre>
      for (int i=0;i<m; i++)
            hienthiSv(&svPtr[i],n);// hien thi doi tuong
```

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}
      delete [] svPtr;
      return 0;
} // ket thuc ham main
//-----Phan dinh nghia cac ham-----//
void khoitaoSv(Sinhvien* ptr,int n) // nguyen mau ham khoi tao
{
      cout<<"Nhap ten sinh vien:";
      cin.ignore();
      getline(cin,ptr->tensv);
      cout<<"Nhap ma sinh vien:";
      cin>>ptr->masv;
       ptr->diem=new int[n];
      cout<<"Nhap cac diem cua sinh vien:\n";
      for (int i=0;i<n;i++)
      {
             cout<<"Nhap mot diem:";
             cin>>ptr->diem[i];
      }
}
void hienthiSv(Sinhvien* ptr, int n) // nguyen mau ham hien thi
{
      cout<<"\nThong tin sinh vien\n";</pre>
      cout<<"Ten sinh vien:"<<ptr->tensv<<endl;</pre>
      cout<<"Ma sinh vien:"<<ptr>>masv<<endl;</pre>
      cout<<"Cac diem cua sinh vien:\n";</pre>
      for (int i=0;i<n;i++)
             cout<<"Diem "<<i<<":"<<ptr>>diem[i]<<endl;</pre>
}
```