#include <iostream>  
using namespace std;

int main()  
{  
    int num;  
    cout<<"Enter no. of students :"<<endl;  
    cin>>num;  
    float \*ptr;  
    ptr= new float[num];  
    cout<<"Enter GPA of students :"<<endl;  
    for(int i=0;i<num;++i)  
    {  
         cout<<"Student data "<<i+1<<endl;  
         cin>>\*(ptr+i);  
    }  
    cout<<"\n Displyaing GPA :"<<endl;  
    for(int i=0; i<num;++i)  
    {  
         cout<<"Student data :"<<i+1<<endl<<\*(ptr+i)<<endl;  
    }  
  
    delete []ptr;  
    return 0;  
}

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         cout<<"Student data "<<i+1<<endl;  
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    cout<<"\n Displyaing GPA :"<<endl;  
    for(int i=0; i<num;++i)  
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         cout<<"Student data :"<<i+1<<endl<<\*(ptr+i)<<endl;  
    }  
    delete []ptr;  
    for(int i=0; i<num;++i)  
    {  
         cout<<"Student data :"<<i+1<<endl<<\*(ptr+i)<<endl;  
    }  
    return 0;  
}

#include <iostream>  
using namespace std;  
int main()  
{  
    double \*p = new double[6];

    for (int i = 0; i < 6; i++)   
        p[i] = i + 1;

    cout << "ELEMENTS AT THE BIGNING OF THE PROGRAM : ";

    for (int i = 0; i < 6; i++)    
        cout << p[i] << ' ';

    delete []p;  
  
    cout << "\nAFTER DELETION FROM THE HEAP : ";

    for (int i = 0; i < 6; i++)   
        cout << p[i] << ' ';

    return 0;  
}

#include<iostream>  
using namespace std;

class student  
{  
     int age;  
  
     public:  
     student()  
     {  
          age=18;  
     }  
     void getAge()  
     {  
          cout<<"Age is "<<age<<endl;  
     }  
};  
int main()  
{  
     student \*ptr= new student;  
     ptr->getAge();  
     delete ptr;  
     ptr->getAge();  
     return 0;  
}