Write aprogram to implement multilevel inheritance

```cpp
#include <iostream>
using namespace std;
class student {
protected:
    int roll_no;
    char name[20];
    char course[10];

public:
    void get_data()
    {
        cout << "enter the roll number:";
        cin >> roll_no;
        cout << "enter name: ";
        cin.ignore();
        cin.getline(name, 20);
        cout << "enter course:";
        cin.getline(course, 10);
    }
    int get_no()
    {
        return (roll_no);
    }
    char* get_name()
    {
        return (name);
    }
    char* get_course()
    {
        return (course);
    }
};
class marks : public student {
protected:
    int marks[3];

public:
    void get_marks()
```

```cpp
      {
         cout << "\n enter the marks in 3 subjects:";
         for (int i = 0; i < 3; i++)
            cin >> marks[i];
      }
   int total()
      {
         return (marks[0] + marks[1] + marks[2]);
      }
};
class result : public marks {
public:
   void display()
      {
         cout << "\n student roll no is:" << get_no();
         cout << "\n student name is:" << get_name();
         cout << "\n course is:" << get_course();
         cout << "\n total marks:" << total();
      }
};
int main()
{
   result R;
   R.get_data();
   R.get_marks();
   R.display();
   return (0);
}
```

Output

enter the roll number:1
enter name:anindita roy
enter course:BCA
enter the marks in 3 subjects:30 60 37
student roll no is:2
student name is:amrita pal
course is:CS
total marks:127