

Write a program to implement hybrid inheritance

```
#include <iostream>
using namespace std;
class student {
protected:
    int roll;

public:
    void get_roll(int x) { roll = x; }
    void put_roll() { cout << "roll no:" << roll << endl; }
};
class test : public student {
protected:
    int paper1, paper2;

public:
    void get_marks(int a, int b) {
        paper1 = a;
        paper2 = b;
    }
    void put_marks() {
        cout << "marks in paper1:" << paper1 << endl;
        cout << "marks in paper2:" << paper2 << endl;
    }
};
class activity {
protected:
    int score;

public:
    void get_score(int a) { score = a; }
    void put_score() { cout << "score=" << score << endl; }
};
class result : public test, public activity {
    int total;

public:
    void display();
};
```

```
void result::display() {  
    total = paper1 + paper2 + score;  
    put_roll();  
    put_marks();  
    put_score();  
    cout << "total marks=" << total;  
}  
int main() {  
    result p;  
    p.get_roll(10);  
    p.get_marks(50, 60);  
    p.get_score(9);  
    p.display();  
    return (0);  
}
```

Output

roll no:10
marks in papre1:50
marks in paper2:60
score=9
total marks=119

Teacher's signature-