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**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-