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**Write a program to implement hyarchical inheritance**

#include <iostream>

using namespace std;

class student {

protected:

int roll\_no;

char name[20];

public:

get\_data1()

{

cout << "\n enter the roll no:";

cin >> roll\_no;

cout << "\n enter the name:";

cin >> name;

}

};

class academic : public student {

protected:

int marks;

char grade;

public:

void get\_data2()

{

get\_data1();

cout << "\n enter the marks:";

cin >> marks;

cout << "\n enter the grade:";

cin >> grade;

}

void display1()

{

cout << "\n roll no:" << roll\_no;

cout << "\n name: " << name;

cout << "\n marks:" << marks;

cout << "\n grade:" << grade;

}

};

class accounts : public student {

protected:

float fees;

public:

void get\_data3()

{

get\_data1();

cout << "\n enter the fees:";

cin >> fees;

}

void display2()

{

cout << "\n roll no:" << roll\_no;

cout << "\n name:" << name;

cout << "\n fees:" << fees;

}

};

int main()

{

accounts ob;

ob.get\_data3();

ob.display2();

academic obj;

obj.get\_data2();

obj.display1();

return (0);

}

**Output**

enter the roll no:3

enter the name:ani

enter the fees:1000

roll no:3

name:ani

fees:1000

Enter the roll no:30

Enter the name:amri

Enter the marks:99

Enter the grade:A

Roll no:30

Name:amri

Marks:99

Grade:A