#include <iostream>

**using** **namespace** std;

// Base class

**class** **std\_basic\_info** {

**char** name[**30**];

**int** age;

**char** gender;

**public:**

**void** **getBasicInfo**(**void**);

**void** **putBasicInfo**(**void**);

};

// function definitions

**void** std\_basic\_info::getBasicInfo(**void**)

{

cout << "Enter student's basic information:" << endl;

cout << "Name: ";

cin >> name;

cout << "Age: ";

cin >> age;

cout << "Gender: ";

cin >> gender;

}

**void** std\_basic\_info::putBasicInfo(**void**)

{

cout << "Name: " << name << ",Age: " << age << ",Gender: " << gender << endl;

}

// Derived class

**class** **std\_result\_info** : **public** std\_basic\_info {

**int** totalM;

**float** perc;

**public:**

**void** **getResultInfo**(**void**);

**void** **putResultInfo**(**void**);

};

// Function definitions

**void** std\_result\_info::getResultInfo(**void**)

{

cout << "Enter student's result information:" << endl;

cout << "Total Marks: ";

cin >> totalM;

perc = (**float**)((totalM \* **100**) / **500**);

}

**void** std\_result\_info::putResultInfo(**void**)

{

cout << "Total Marks: " << totalM << ",Percentage: " << perc <<<< endl;

}

**int** main()

{

// Create object of derived class

std\_result\_info std;

// Read student basic and result information

std.getBasicInfo();

std.getResultInfo();

//print student basic and result information

std.putBasicInfo();

std.putResultInfo();

**return** **0**;

}