**6.Create a class Student having private data members id,marks of n subjects and percentage. Create another class Result having a member function to find the percentage of a student. Also write a member function to display id and percentage of a student in Result class.**

**Code:**

#include<iostream>

using namespace std;

class Result

{

private:int total;

public: Result(){

total=0;

}

float percent(int arr[],int size){

for(int i=0;i<size;i++){

total=total+arr[i];

}

total=(float)total/size;

return(total);

}

static void display(float p,int s){

cout<<"\nID: "<<s;

cout<<"\nPERCENTAGE: "<<p;

}

};

class Student{

private:

int id;

int subject\_number;

int mark[15];

int percentage;

public:Student(){

id=subject\_number=0;

}

void inputId() {

cout<<"\nENTER ID: ";

cin>>id;

}

void inputSubjectNo(){

cout<<"\nENTER HOW MANY SUBJECT YOU HAVE: ";

cin>>subject\_number;

}

void inputMarks(){

cout<<"\nENTER MARK: \n";

for(int i=0;i<subject\_number;i++){

cin>>mark[i];

}

}

void findPercentage(){

Result r1;

percentage=r1.percent(mark,subject\_number);

}

void display(){

Result::display(percentage,id);

}

};

int main(){

Student stu1,stu2;

stu1.inputId();

stu1.inputSubjectNo();

stu1.inputMarks();

stu1.findPercentage();

stu1.display();

stu2.inputId();

stu2.inputSubjectNo();

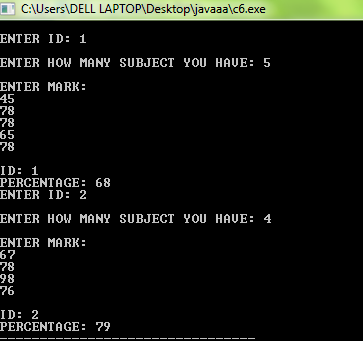
stu2.inputMarks();

stu2.findPercentage();

stu2.display();

}

**Output:**

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