**8..Create a class person having data members name and age.inherit another class student from person having data members id,marks and name of n subject and percentage.Use constructor as well as getData method to taking input.Write a member function to find a percentage of the student.also write a display method to display all the data members.**

**Code:**

#include<iostream>

using namespace std;

class Person{

private:

int age;

char name[20];

public:

void inputName(){

cout<<"\nENTER PERSON NAME: ";

cin>>name;

}

void inputAge(){

cout<<"\nENTER AGE OF PERSON: ";

cin>>age;

}

void display(){

cout<<"\nNAME: "<<name<<"\nAGE: "<<age;

}

};

class Student:public Person{

private:

int id;

int subject\_number;

string subject\_name[15];

int mark[15];

float percentage;

public:

Student(){

id=subject\_number=percentage=0;

}

void inputSubjectName(){

cout<<"\nENTER SUBJECT NAME: ";

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

{

cin>>subject\_name[i];

}

}

float percent(){

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

{

percentage+=mark[i];

}

percentage=(float)percentage/subject\_number;

return percentage;

}

void inputName(){

cout<<"\nFOR STUDENT: ";

Person::inputName();

}

void inputAge(){

cout<<"\nFOR STUDENT: ";

Person::inputAge();

}

void inputId(){

cout<<"\nENTER ID OF STUDENT: ";

cin>>id;

}

void inputSubject(){

cout<<"\nHOW MANY SUBJECT YOU HAVE: ";

cin>>subject\_number;

}

void inputMark(){

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

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

{

cin>>mark[i];

}

}

void display(){

Person::display();

cout<<"\nSTUDENT ID: "<<id;

cout<<"\nSTUDENT MARKS: ";

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

cout<<" "<<mark[i];

}

cout<<"\nPERCENTAGE OF STUDENT: "<<percent();

}

};

int main(){

Student stu;

stu.inputName();

stu.inputAge();

stu.inputId();

stu.inputSubject();

stu.inputSubjectName();

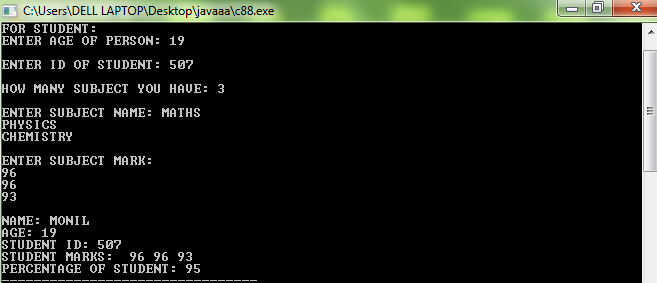
stu.inputMark();

stu.display();

return 0;

}

**Output:**

****