**EXPERIMENT – 7**

**Aim:** Write a programme which reads biodata and records of two sessional and then print final result. Make separate class for biodata, sessional 1, sessional 2 and result.

**Code:**

#include <iostream>

#include<cstdlib>

#include<string.h>

using namespace std;

class biodata

{

string rollno,dob;

char name[20],clas[20];

public:

void get\_data()

{

cout<<"\nEnter Candidate's name - ";cin.ignore();cin.getline(name,19);

cout<<"\nEnter Candidate's roll no. - ";cin>>rollno;

cout<<"\nEnter DOB - ";cin>>dob;

cout<<"\nEnter your class - ";cin.ignore();cin.getline(clas,19);

}

void show\_data()

{

cout<<"\n\n Name - "<<name;

cout<<"\n Roll No. - "<<rollno;

cout<<"\n DOB - "<<dob;

cout<<"\n Class - "<<clas;

}

};

class sessional1

{

float m1,m2,m3,m4,m5;

public:

void input\_ses1\_marks() {

cout<<"\n-----sessional1 marks input------";

cout<<"\nEnter subject1 marks - ";cin>>m1;

cout<<"\nEnter subject2 marks - ";cin>>m2;

cout<<"\nEnter subject3 marks - ";cin>>m3;

cout<<"\nEnter subject4 marks - ";cin>>m4;

cout<<"\nEnter subject5 marks - ";cin>>m5;

}

float ses1\_total(){

return m1+m2+m3+m4+m5;

}

};

class sessional2

{

float m1,m2,m3,m4,m5;

public:

void input\_ses2\_marks(){

cout<<"\n-----sessional2 marks input------";

cout<<"\nEnter subject1 marks - ";cin>>m1;

cout<<"\nEnter subject2 marks - ";cin>>m2;

cout<<"\nEnter subject3 marks - ";cin>>m3;

cout<<"\nEnter subject4 marks - ";cin>>m4;

cout<<"\nEnter subject5 marks - ";cin>>m5;

}

float ses2\_total(){

return m1+m2+m3+m4+m5;

}

};

class result :public biodata,sessional1,sessional2

{

int per;

public:

void get\_data(){

biodata::get\_data();

sessional1::input\_ses1\_marks();

sessional2::input\_ses2\_marks();

per=(sessional1::ses1\_total() + sessional2::ses2\_total())/10;

}

void show\_data()

{

biodata::show\_data();

cout<<"\n Percentage is = "<<per<<"%";

cout<<"\n Result = ";

if(per>=40)

cout<<"Your are Pass\n";

else

cout<<"you're Fail\n";

}

};

int main()

{

result R;

R.get\_data();

R.show\_data();

return 1;

}