EXP NO:-05

IMPLIMENT MARKS CARD OF STUDENT

ALGORITHM :

Step 1: Start

Step 2: create the class of student type with private variable name, grade, usn, and marks of different subjects.

Step 3:initialize the student using constructor.

Step 4: Declare and define functions “getdata”, “calculate”, “showstudent” and “findgrade”.

Step 5: define the destructor.

Step 6:declare the variable and read the input from user.

Step 7: call the constructor student of type of class.

Step 8: call the functions to get data and calculate the grade and print the data.

Step 9:stop

CODE:

#include<iostream>

using namespace std;

int j=0;

class studentinfo{ //Class declaration

private :

string name;

int usn;

int m1,m2,m3;

float total,percentage;

public :

studentinfo() //declaring studentinfo member function

{

j++;

cout<<"Enter the Information of student "<<j<<endl;

cout<<"Enter the student name : "<<endl;

cin>>name;

cout<<"Enter the usn of the student : "<<endl;

cin>>usn;

cout<<"Enter the marks of the marks of three subjects : "<<endl;

cin>>m1>>m2>>m3;

}

void calculate() //declaring calculate member function

{

total=m1+m2+m3;

percentage=(total/3);

}

void showdata() //declaring member function to show the data

{

cout<<"||||||||||||||||||||||||||||||||||||\n";

cout<<"\tThe student name is : "<<name<<endl;

cout<<"\tThe student usn is : "<<usn<<endl;

cout<<"\tThe student marks for\n\tm1 : "<<m1<<"\n\tm2 is :"<<m2<<"\n\tm3 is :"<<m3<<endl;

cout<<"\tThe Total is : "<<total<<endl<<"The percentage is :"<<percentage<<"%"<<endl;

cout<<"||||||||||||||||||||||||||||||||||||\n";

}

}; //End of class

int main()

{

int i,n;

cout<<"Enter the number of students :"<<endl;

cin>>n;

studentinfo s[n];

for(i=0;i<n;i++)

{

s[i].calculate(); //calling calculate function

s[i].showdata(); //calling showdata function

}

}

OUTPUT:-

