

LAB:2

(ASSIGNMENT QUESTION)

PROBLEM STATEMENT:

Create a class for preparing marksheet of a student. Student class has following data members rollno,name,phonenumber,sem and branch. Use getdata() function to provide data for two students and display information using showdata() function. Submit program and it's output in pdf file.

PROGRAM:

```
#include<iostream>
using namespace std;
class mark_sheet{
private:
int roll_no;
string name;
long int phone_no;
int sem;
string branch;
int marks[5]={0,0,0,0,0};

public:
void get_data(){
cout<<"please enter your name"<<endl;
cin>>name;
cout<<"please enter your roll_no"<<endl;
cin>>roll_no;
cout<<"please enter your phone_no"<<endl;
cin>>phone_no;
cout<<"please enter your semester"<<endl;
cin>>sem;
```

```

cout<<"please enter your branch_name"<<endl;
cin>>branch;
for(int i=0;i<5;i++){
cout<<"please enter the marks of subject code out of 100: "<<i+1<<" ";
cin>>marks[i];
}
}

void show_data(){
int total=0;
cout<<"roll no: "<<roll_no<<endl;
cout<<"name: "<<name<<endl;
cout<<"phone no: "<<phone_no<<endl;
cout<<"semester: "<<sem<<endl;
cout<<"branch: "<<branch<<endl;
cout<<"your marks for subject code is given below"<<endl;
for(int i=0;i<5;i++){
cout<<i+1<<" "<<marks[i]<<endl;
total+=marks[i];
}
cout<<"average is "<<(total/5)<<endl;
cout<<"percentage is "<<(total*100/500)<<"%"<<endl;

}

};

int main(){

mark_sheet student[2];
for(int i=0;i<2;i++){
student[i].get_data();
student[i].show_data();

}
return 0;

}

```

OUTPUT:

```
kashyap@kash:~/cpp/LAB_2
kashyap@kash ~/cpp/LAB_2 g++ extra_exe.cpp... Welcome extra_
kashyap@kash ~/cpp/LAB_2 ./a.out
please enter your name
gaurav
please enter your roll_no
26
please enter your phone_no
3335588775
please enter your semester
4
please enter your branch_name
EC
please enter the marks of subject code out of 100: 1 100
please enter the marks of subject code out of 100: 2 99
please enter the marks of subject code out of 100: 3 98
please enter the marks of subject code out of 100: 4 97
please enter the marks of subject code out of 100: 5 100
roll no: 26
name: gaurav
phone no: 3335588775
semester: 4
branch: EC
your marks for subject code is given below
1 100
2 99
3 98
4 97
5 100
average is 98
percentage is 98%
please enter your name
harsh
please enter your roll_no
30
please enter your phone_no
2255688550
please enter your semester
4
please enter your branch_name
EC
please enter the marks of subject code out of 100: 1 99
please enter the marks of subject code out of 100: 2 89
please enter the marks of subject code out of 100: 3 99
please enter the marks of subject code out of 100: 4 10
please enter the marks of subject code out of 100: 5 100
roll no: 30
name: harsh
phone no: 2255688550
semester: 4
branch: EC
your marks for subject code is given below
1 99
2 89
3 99
4 10
5 100
average is 79
percentage is 79%
kashyap@kash ~/cpp/LAB_2
```