**1.SOURCE CODE:**

#include<iostream>

using namespace std;

class time{

private:

int hour, min, sec;

public:

void readtime();

void addtime(time t1, time t2);

void displaytime();

};

void time::readtime(){

cin>>hour>>min>>sec;

}

void time::addtime(time t1, time t2){

sec = t1.sec+t2.sec;

min = sec/60;

sec = sec % 60;

min = min + t1.min + t2.min;

hour = min/60;

min = min % 60;

hour = hour + t1.hour + t2.hour;

}

void time::displaytime(){

cout<<hour<<":"<<min<<":"<<sec<<endl;

}

int main(){

time t1, t2, t3;

cout<<"Enter the first time in hour minutes and second:"<<endl;

t1.readtime();

cout<<"Enter the second time in hour minutes and second:"<<endl;

t2.readtime();

t3.addtime(t1, t2);

cout<<"The total sum of the given time is:"<<endl;

t3.displaytime();

return 0;

}

**OUTPUT:**

Enter the first time in hour minutes and second:

7

45

27

Enter the second time in hour minutes and second:

3

8

60

The total sum of the given time is:

10:54:27

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Process exited after 23.99 seconds with return value 0

Press any key to continue . . .

**2.SOURCE CODE:**

#include<iostream>

using namespace std;

class height{

private:

int feet, inch;

public:

void getdata(){

cout<<"Enter the height in feet and inch:"<<endl;

cin>>feet>>inch;

}

void addheight(height h1, height h2){

inch = h1.inch + h2.inch;

feet = inch/12;

feet = feet + h1.feet + h2.feet;

}

void display();

};

void height::display(){

cout<<"The sum of given heights is => "<<endl<<feet<<"feet"<<" "<<inch<<"inches";

}

int main(){

height h1, h2, h3;

h1.getdata();

h2.getdata();

h3.addheight(h1,h2);

h3.display();

return 0;

}

**OUTPUT:**

Enter the height in feet and inch:

5

7

Enter the height in feet and inch:

6

3

The sum of given heights is =>

11feet 10inches

--------------------------------

Process exited after 9.58 seconds with return value 0

Press any key to continue . . .

**DISCUSSION:**

In the lab 3 we learnt about taking runtime and compile time data from users. Also we reviewed about classes and also taught about subjects. We also did some mathematical conversion and learnt about definition and declaration of the functions.