**Practical: 9 Create a class called 'TIME' that has**

**- three integer data members for hours, minutes and seconds**

**- constructor to initialize the object to zero**

**- constructor to initialize the object to some constant value**

**- member function to add two TIME objects**

**- member function to display time in HH:MM:SS format**

**Write a main function to create two TIME objects, add them and display the result in HH:MM:SS format.**

#include<iostream>

using namespace std;

class TIME

{ int hh,mm,ss;

public:

TIME();

TIME(int h,int m,int s);

void atime(TIME t1, TIME t2);

void display();

};

TIME :: TIME()

{ hh=0;

mm=0;

ss=0;

}

TIME :: TIME(int h,int m,int s)

{ hh=h;

mm=m;

ss=s;

}

void TIME :: atime(TIME t1, TIME t2)

{ int h,m,s;

hh=t1.hh+t2.hh;

mm=t1.mm+t2.mm;

ss=t1.ss+t2.ss;

mm+=ss/60;

ss=ss%60;

hh+=mm/60;

mm=mm%60;

}

void TIME :: display()

{ cout<<"Time = "<<hh<<":"<<mm<<":"<<ss; }

int main()

{ TIME t1,t2(17,50,59);

cout<<"\n Time 1 : ";

t1.display();

cout<<"\n Time 2 : ";

t2.display();

t2.atime(t1,t2);

cout<<"\n After addition : ";

t2.display();

}

**Output: 9**

