Lab test-1-OOJ

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Q2.

Create a class called time that has separate int member data for hours, minutes, and

second. One constructor should initialize this data to 0, and another should initialize it to

fixed values. A member function should display it, in 11:59:59 format. The final member

function should add two objects of type time passed as arguments. A main ( ) program should

create two initialized time objects, and one that isn't initialized. Then it should add the two

initialized values together, leaving the result in the third time variable. Finally it should

display the value of this third variable.

```java
import java.util.*;
import java.lang.*;

class Time {
        int hours, mins, seconds;
        Time() {
                hours = 0;
                mins = 0;
                seconds = 0;
        }
```

```java
Time(int h, int m, int s) {

        hours = h;

        mins = m;

        seconds = s;

}


void display() {

        System.out.println(hours + ":" + mins + ":" + seconds);

}


public static Time add(Time t1, Time t2) {

        Time t3 = new Time();

        t3.hrs = (t1.hours + t2.hours)%24;

        t3.min = (t1.mins + t2.mins)%60;

        t3.sec = (t1.seconds + t2.seconds)%60;

        return t3;

}


public static void main(String[] args) {

        Time t1 = new Time(11,59,59);

        Time t2 = new Time(1,1,1);

        Time t3 = add(t1, t2);


        System.out.println("Time 1 = ");

        t1.display();

        System.out.println("Time 2 = ");

        t2.display();

        System.out.println("Time 3 = ");
```

```
        t3.display();


    }

}
```

Output:

```
Time 1 =
11:59:59
Time 2 =
1:1:1
Time 3 =
12:0:0


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(program exited with code: 0)

Press any key to continue . . .
```