

MOHAMMED ABDUL HAMID
3-D
1BM19CS202

2 . 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.

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13/10/20

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Lab 1

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```
import java.util.Scanner;
class time {
    int hours;
    int minutes;
    int seconds;

    time() {
        hours = 0;
        minutes = 0;
        seconds = 0;
    }

    time ( int h, int m, int s) {
        hours = h;
        minutes = m;
        seconds = s;
    }

    void display() {
        System.out.println (hours + ":" + minutes + ":" + seconds);
    }

    public static Time add (Time x1, Time x2) {
        Time t1 = new Time();
        t1.hours = (x1.hours + x2.hours) % 24;
        t1.minutes = (x1.minutes + x2.minutes) % 60;
        t1.seconds = (x1.seconds + x2.seconds) % 60;
        return t1;
    }
}
```

```

public static void main( String[] args) {
    Time t1 = new Time (20,59,59);
    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 (" so, time 3 will be ");
    t3.display();
}
}

```