

Java Lab Test Code:

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

class Time {
    int hrs, min, sec;

    Time() {
        hrs = 0;
        min = 0;
        sec = 0;
    }

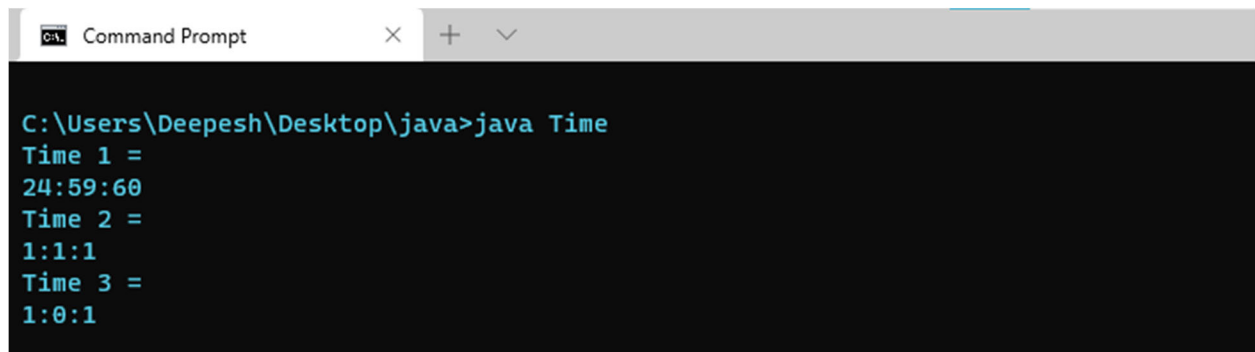
    Time(int h, int m, int s) {
        hrs = h;
        min = m;
        sec = s;
    }

    void display() {
        System.out.println(hrs + ":" + min + ":" + sec);
    }

    public static Time add(Time t1, Time t2) {
        Time t3 = new Time();
        t3.hrs = (t1.hrs + t2.hrs) % 24;
        t3.min = (t1.min + t2.min) % 60;
        t3.sec = (t1.sec + t2.sec) % 60;
        return t3;
    }

    public static void main(String[] args) {
        Time t1 = new Time(24, 59, 60);
        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:

```
C:\Users\Deepesh\Desktop\java>java Time
Time 1 =
24:59:60
Time 2 =
1:1:1
Time 3 =
1:0:1
```

The screenshot shows a Windows Command Prompt window with a single tab titled "Command Prompt". The window has a standard Windows title bar with a close button (X), a maximize button (+), and a minimize button (v). The command prompt shows the user's current directory as "C:\Users\Deepesh\Desktop\java" and the command "java Time" has been executed. The output of the program is displayed in three lines: "Time 1 =", "24:59:60", "Time 2 =", "1:1:1", "Time 3 =", and "1:0:1".

13/11/2020

Shashank Verma
18m19cs211
3D CSE

OOJ Lab Test.

2)

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

```
class Time {
```

```
    int hrs, min, sec;
```

```
    Time() {
```

```
        hrs = 0;
```

```
        min = 0;
```

```
        sec = 0;
```

```
    }
```

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

```
        hrs = h;
```

```
        min = m;
```

```
        sec = s;
```

```
    }
```

```
    void displayTime () {
```

```
        System.out.println("Time = " + hrs + " ; " + min + " : " +  
                             sec);
```

```
    }
```

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

```
        Time t3 = new Time ();
```

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

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

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

```
        return t3;
```

```
    }
```



```
public static void main (String [] args) {
```

```
    Time t1 = new Time(24, 59, 60);
```

```
    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();
```

```
    }
```