

# Practice Quiz 2: Solutions

CSCI 136: Spring 2022

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## “Valen-Time”

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This week’s quizzes cover readings, handouts, labs, and lecture materials up to and including Monday 2/14.

The following are the solutions from this practice quiz.

1. Below is legal Java code found in a file `Sum.java`.

```
public class Sum {
    public static void main(String args[]) {
        System.out.print("The sum of " + args[0] + "+" + args[1] + " is: ");
        System.out.println(args[0] + args[1]);
    }
}
```

This code successfully compiles and runs. What output will the above program print to the terminal after executing the following commands?

```
$ javac Sum.java
$ java Sum 2 14
```

(Note: “\$” is a prompt; it is not part of the command)

**Your answer:** Since we use `System.out.print()` on the first line, there is no line break in the output. And, since `args[0]` and `args[1]` are both of type `String`, adding them concatenates them.

Therefore, the correct final output is:

```
The sum of 2+14 is: 214
```

2. Below is a simple class used to store a time.

```
public class TimeOfDay {
    int hour;
    int minute;
    public TimeOfDay(int theHour, int theMinute) {
        hour = theHour;
        minute = theMinute;
    }
}
```

Which of the following lines of code should be used to create a `TimeOfDay` object called `newTime` in order to store the time 3:26?

- a.) `public newTime = new TimeOfDay(3,26);`
- b.) `public newTime = new TimeOfDay[3,26]`
- c.) `TimeOfDay newTime = new TimeOfDay(3,26);`
- d.) `TimeOfDay newTime = new TimeOfDay[3,26];`
- e.) `TimeOfDay newTime;`  
`newTime = TimeOfDay(3,26);`
- f.) `TimeOfDay newTime;`  
`newTime = TimeOfDay[3,26];`