

Lab11.1: Time Class

Notes: 12AM is midnight. You decide whether hours will be 0-11 or 1-12.

If you cannot complete a task or did it incorrectly, you MAY and SHOULD pretend you did it correctly and use it in later tasks. This is also true on the actual AP exam.

1. Create a Time class with int h,m,s, boolean isAM (where if isAM is false, then it is PM), and 2 constructors (you may assume all arguments will be proper, within their respective ranges), 1 empty constructor, and 1 four argument constructor.

Include the following comments:

```
// Instance Variables
```

```
// Constructors
```

```
//Insert Code with comments here:
```

In Main class:

2. Create a timeToString() function in the Main class. Sample return: "12:01:23 AM"

```
//Insert Code with comments here:
```

3. Create an int timeToSeconds() function that takes a Time and returns how many seconds into the day it is, where midnight = 0, 12:01:01AM = 61, etc.

```
//Insert Code with comments here:
```

4. In the main() function, write code that answers the question, if school starts at 8:30:00 AM and ends at 3:06:00 PM, how many seconds are there in the school day?

```
//Insert Code with comments here:
```