

Unit Two Assignment Three:

Write a Java project with two classes. The driver class should read from the console two times in military format (0930, 1700) and an hourly pay rate for time on task (12.75). The first time was when a worker started a task and the second time was when this worker finished the task. You may assume the finishing time will be greater than the starting time.

The driver class should then construct an object of type TimeInterval by calling a parametric constructor. The parametric constructor should accept all three console inputs.

The TimeInterval class should have three instance fields hours, minutes, and pay. All instance fields should be initialized in the parametric constructor. The class should have accessor methods for each instance field. The getHours method returns the number of hours (as an integer) the worker was on task. The getMinutes method returns any fractional part of an hour worked, over and above the hours returned by getHours. This fractional part should be returned as minutes. The getPay method should return the worker's total pay for the days work (rate x time).

The driver class should print the time on task in hours and minutes as well as total pay for time on task.

The output should look like this...

```
Please enter the starting time: 0930  
Please enter the finishing time: 1700  
Please enter rate of pay: 12.75
```

```
Time on Task = ? hours ?? minutes
```

```
Pay = $??.??
```