Report

8/7Central

I chose Java to accomplish this task as I use a mac and using C languages on mac can be a hassle. I used Eclipse IDE for coding. There are many Java libraries that I used including, DateFormat, ParseException, SimpleDateFormat, LocalDateTime, ZoneID and ZonedDateTime etc to accomplish the task. The sample output of the entire program is as follows.

2015-01-07 2:29PM (Original Time)

2015-01-07 1:29PM (1hr Earlier Time)

2015-01-01 12:34AM (Original Time)

2014-12-31 11:34PM (1hr Earlier Time)

PC Time Zone: Pacific Standard Time

Is machine in Central Time Zone? false

2014-02-08 6:00PM [Pacific Standard Time]

2014-02-09T02:00:00.000Z [Greenwich Mean Time]