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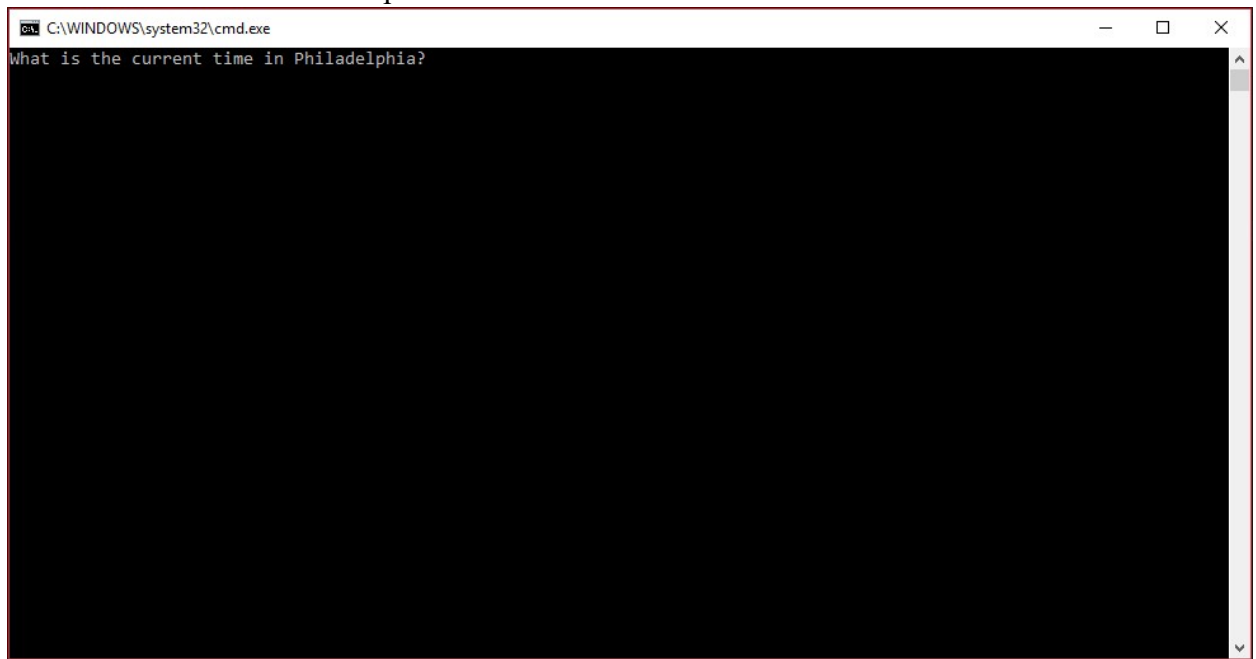
CS 171

January 20, 2017

<div align="center">World Clock</div>

- ❖ User Manual
    - ➢ As soon as one compiles and runs the program, the first line to be seen would be: "What is the current time in Philadelphia?"
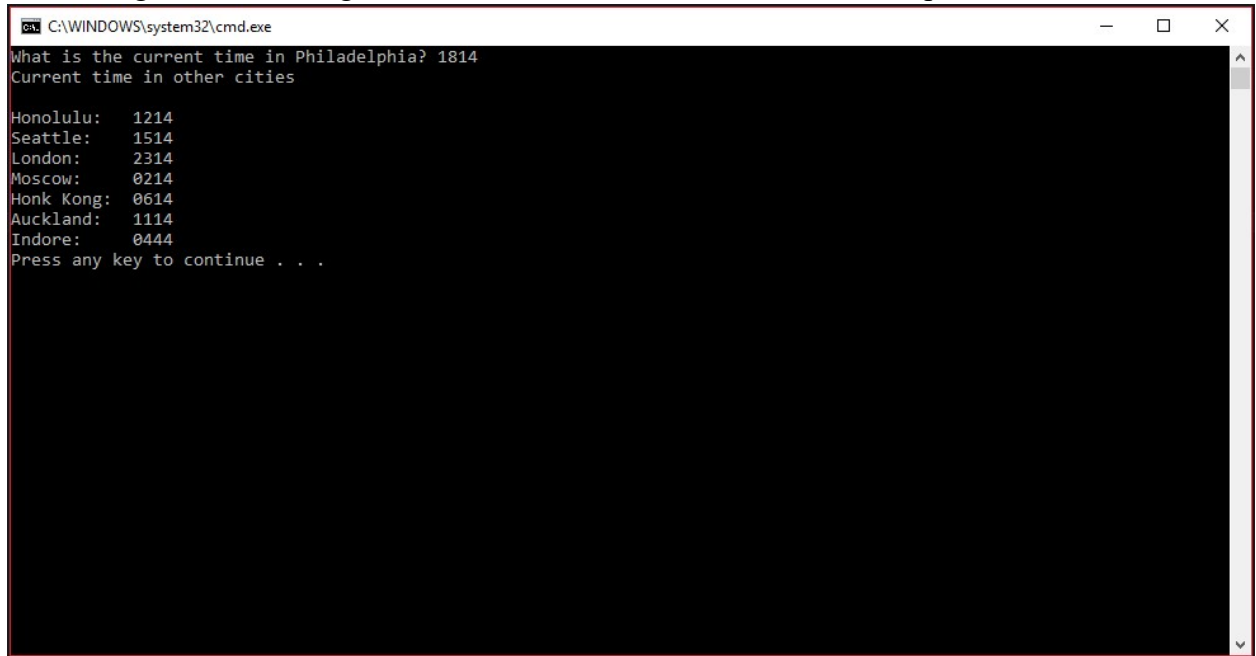

    - ▪ The user is expected to enter the corresponding value in military time format.
    - ➢ The user won't be required to enter anything in the program.
    - ➢ Program would list down various local times in the different parts of the globe:
        - ▪ Honolulu
        - ▪ Seattle
        - ▪ London
        - ▪ Moscow
        - ▪ Honk Kong
        - ▪ Auckland
        - ▪ Indore(India)
- ❖ System Manual
    - ➢ There are 8 variables in total. All of integer data type.
    - ➢ One of the variable is for time at Philadelphia, which is required to be entered by the user.
    - ➢ The rest are for local times at different places
    - ➢ I used the following function to assign the time:

- tlond = (2400 + (tphil + 500)) % 2400; //London
- Then it's printed out using the cout.
- Also in every output the setw and setfill methods from the iomanip library are used to format the spacing between the text and local times.
- ❖ Testing
  - ➢ The testing was done using different values in the local time of Philadelphia.

```
C:\WINDOWS\system32\cmd.exe                                    —    □    ×
What is the current time in Philadelphia? 1814
Current time in other cities

Honolulu:    1214
Seattle:     1514
London:      2314
Moscow:      0214
Honk Kong:   0614
Auckland:    1114
Indore:      0444
Press any key to continue . . .
```

- Here I used local time at Philadelphia as 1814.