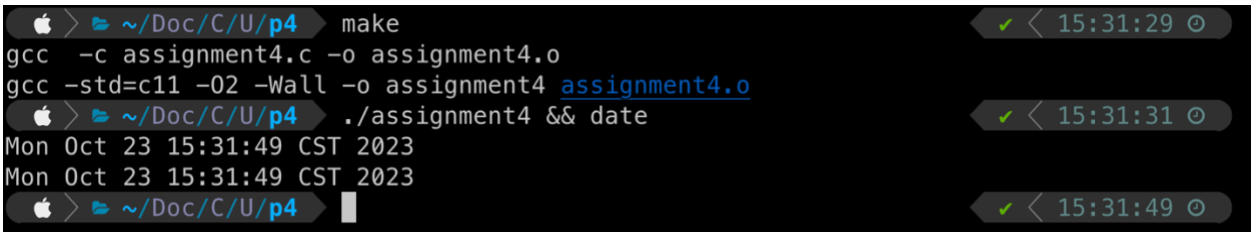
CS5243 Advanced UNIX Programming
Assignment 4 (4 pts)
Group 4

Screenshot of codes:

Screenshot of result:



1. We first declare a *time_t* variable *t*, which calculates the current time since January 1, 1970. Then, we declare *struct tm2*, representing a calendar time in several components (e.g., year, month).

2. In line 10, we call the *localtime_r* function to convert the time *t* into a local time representation, which is *tm2.*

3. Finally, we call *strftime* to format the *tm2* structure into a string. The formatted string includes abbreviated weekday name (*%a*), abbreviated month name (*%b*), day of the month (*%d*), time in HH:MM:SS format (*%T*), time zone abbreviation (*%Z*), which is CST (UTC+8), and the year (*%Y*). The formatted string is stored in the *buf* array.