

Computer Science 801

Fall 2000

Programming Lab 3

Tuesday, 10/24/2000

Write a program called `grade.c` that first reads in a month, day, and year as integers. Next, the program takes in three numerical grades (floats): a project grade, a lab grade, and a final exam grade. The project grade is worth 60% of the final grade, while the lab and final exam are worth 15% and 25%, respectively.

Your program should convert the integer month to a string and output the full date as shown below.

Compute the numerical grade according the percentages given above and assign a letter grade based on a 10 point scale (90.0 – 100.0 = A, 80.0 – 89.9999 = B, etc.).

Here's what a sample run of the program might look like:

```
Enter the month: 10
Enter the day: 24
Enter the year: 2000

Enter the project grade: 85.3
Enter the lab grade: 100.0
Enter the final exam grade: 77.2

On October 24, 2000
Average numerical grade: 85.48
Letter grade: B
```

Use both `if` statements and a `switch` statement in your code. Test your program with the above data and with other data as well. Store your results in an output file called `grade.txt`.