

Quiz 3 Programming Exercise

Write a Java program that calculates the day of the week (Sunday – Saturday) for any date enter in a MM DD YYYY format. The program will run indefinitely until a 0 input is received.

It will be more difficult to try to solve this problem if you start coding before thinking through the problem. Use scratch paper and come up with a solution using a top-down approach. Then implement your methods one by one. As you implement your methods, you may want to test them incrementally so that debugging does not get out of hand.

Please make sure to follow coding guidelines:

1. Put a comment at the top of your code to identify what your program will do.
2. Include your name, date, and student number in the header comment.
3. Comment your code to explain your strategy for solving the problem.

The following is a sample run of the application that we will verify your code against. **Your code should match the outputs exactly.**

You should look at the program output before you start coding, as this will help you to make sure you understand the nuances of the application before starting your work.

Sample Run:

Welcome to the Day Of Week calculator. This awesome program will tell you what day of the week you were born on!
The program will allow you to find the day of the week for multiple dates.
When you want exit the program enter a 0 for the month, day, or year.

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
6 15 2017
The date you entered was a Thursday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
6 13 2017
The date you entered was a Tuesday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
6 14 2017
The date you entered was a Wednesday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
6 16 2017
The date you entered was a Friday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
12 10 2003
The date you entered was a Wednesday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
2 13 1976
The date you entered was a Friday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
2 13 1977
The date you entered was a Sunday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
7 2 1974
The date you entered was a Tuesday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
1 15 2003
The date you entered was a Wednesday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
10 13 2000
The date you entered was a Friday

Enter a date in MM DD YYYY format (example: 11 1 1970 or 6 21 2011)
0 0 0

THANK YOU FOR USING THE DAY OF WEEK CALCULATOR