

Due Date Calculator

This test is to find out more about your skills and capabilities to implement algorithms and to write production code.

The problem:

The program reads the currently reported problems (bugs) from an issue tracking system and calculates the due date following the rules below:

- ! Working hours are 9AM to 5PM every working day (Monday through Friday)
- ! The program does not deal with holidays, which means that a holiday on a Thursday is still considered as a working day by the program. Also a working Saturday will still be considered as a nonworking day by the system.
- ! The turnaround time is given in working hours, which means for example that 2 days are 16 hours. As an example: if a problem was reported at 2:12PM on Tuesday then it is due by 2:12PM on Thursday.
- ! A problem can only be reported during working hours, which means that all submit date values fall between 9AM and 5PM.
- ! Your task is to implement the `CalculateDueDate` method, which takes the submit date and turnaround time as an input and returns the date and time when the issue is to be resolved.
- ! You can use the standard date time type or library that is part of the given language.

Additional info:

You should use JavaScript.

You shouldn't write pseudo code. You should write code that you would commit/push to a repository and solves the given problem.

You should submit even if you are not fully finished.

If you have any further question, don't hesitate to ask.