

# REIZ TECH HOMEWORK ASSIGNMENT DOCUMENT FOR THE .NET DEVELOPER INTERN POSITION

Thanks for your interest and for applying to REIZ TECH. To help us get to know you better, we have created this small task to see how you approach objectives and will use it as a discussion point going forward.

May The Odds Be Ever in Your Favour!

Once done, please give us the link to your online storage space (GitHub or similar, make sure your online storage space is public so we can see your magical code). We would also like you to give us your thoughts on this assignment (don't worry, you can be honest ;)).

Please reply to this email with an answer.

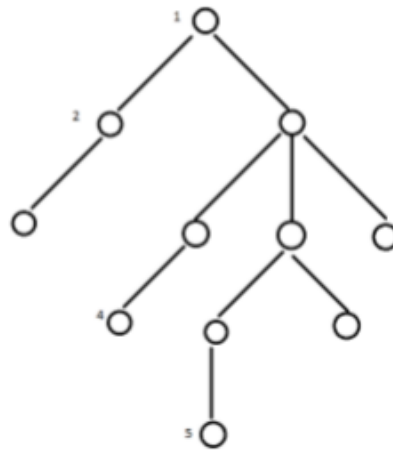
- 1 Please write console app. User should be able to input hours and minutes of the analogue clock. Program must calculate lesser angle in degrees between hours arrow and minutes arrow and provide output in the console window.



- 2 Imagine we have a hierarchical structure:

```
class Branch
{
    List<Branch> branches;
}
```

After creating this object, we can add new Branch type objects into branches variable. Doing so we increase object depth by one. Into created objects we can add again new branches etc. In the figure below we have similar structure. This structure depth is 5.



**Please write a program, where you would create similar structure. Pass this structure into your own created method and calculate the depth of provided structure. Main requirement to complete this task: use recursion.**

**Don't forget to reply to this email with an answer.  
Due date to finish the task and sent it back: 10 calendar days.**

**Good luck!**