

### Lab Sheet III

The Angelic Tree goes through 2 cycles of growth every year. Each spring, it grows thrice in height. Each summer, its height increases by 2 meter.

Amrita plants an Angelic Tree sapling with a height of 1 meter at the onset of spring. How tall will her tree be after n growth cycles?

For example, if the number of growth cycles is n=5, the calculations are as follows:

Period	Height
0	1
1	3
2	9
3	11
4	33
5	35

Create a class Tree with a member variable height. Define a method currentHeight( ) to get the height after n growth cycles. Use a Driver class to create an object of Tree class and using the method currentHeight( ) by passing n (no of growth cycles), set the height of the Tree and use a getter function getHeight( ) to get the current height value of Tree class.