

LABWORK 9

Due date: 23:55 07.04.2018

(There is %10 penalty for each day)

Using the given tree class implementation, implement the methods below:

- Write a function which prints numbers in the tree which are smaller than the given value in ascending order **(30 pts)**
void BST<T>::findNumberSmallerThan(int value)
- Write a function which prints *Nth* smallest number **(30 pts)**
void BST<T>::findNthSmallest(int N)
- Write a function which returns number of parents which has two children **(40 pts)**
int BST<T>::findNumberOfParentsWhoHasTwoChildren()

You can implement extra functions to solve the problems above.

```
arti@arti:labwork9$ g++ main.cpp
arti@arti:labwork9$ ./a.out
3 5 10 20 25 30 35
numbers smaller than 25:
3 5 10 20

3th smallest number is: 10

number of parents who have two children: 2
```