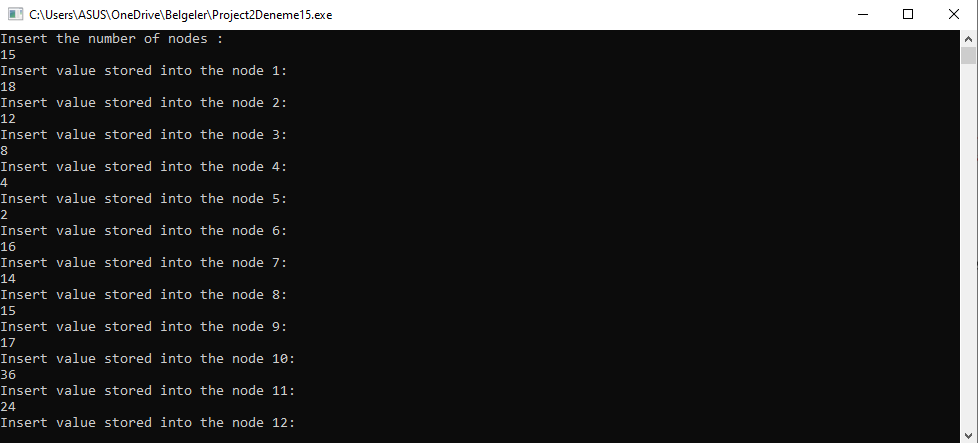
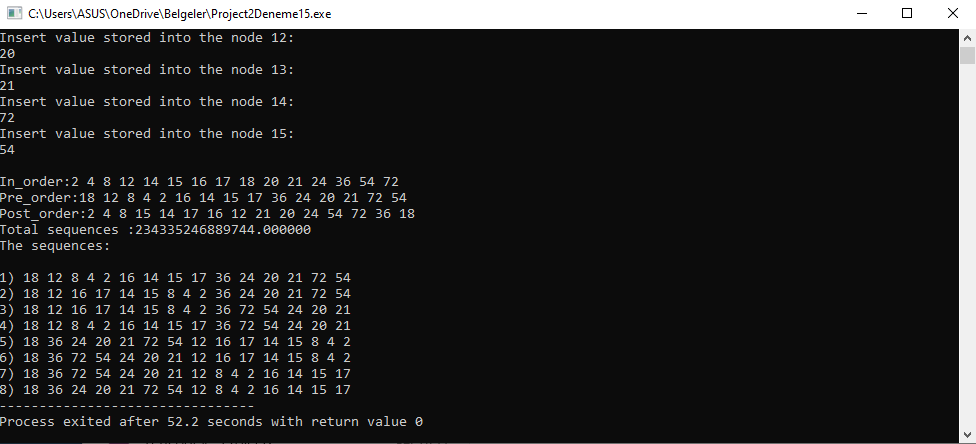
Data Structures Project 2

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Firstly I created a tree and ı got number of nodes from user and inserted them,to tree using

Node \*insert(Node \*tree,int x) method.Then with void sort(Node \*tree) method ı sorted this numbers inorder; using this method void sort1(Node \*tree) to sorted preorder; void sort2(Node \*tree) also ı used this method sorted postorder. I did all of them for a and b.Then ı work on c with a lot of methods; finally ı used void mirror(struct Node\* tree) method take different sequences have same bts tree also bool convertToMirror(Node \*root) method take diferent sequences have same bts tree.I could get some true sequences.Also for c part I find sequences count with using

int binarytree\_count\_recursive(struct Node \*root),double fac (double n),double countt (struct Node \*root) methods I try to this formula using recursively (right node number\*left node number)\*(right node number+left node number)!/(right node number\*left node number).

Unfortunately ı didnt find all sequences for part c.