

ข้อ 1

Develop Binary Search Tree (BST) which contains the functions as follows:

- Add and remove data into/from Binary Search Tree
- Show data in Binary Search Tree using Breadth First Traversal
- Show data in Binary Search Tree using Preorder Traversal
- Show data in Binary Search Tree using Inorder Traversal
- Show data in Binary Search Tree using Postorder Traversal

| command | description |
|---------|--|
| a 10 | Add 10 into BST |
| d 5 | remove 5 from BST |
| b | Show data in BST using Breadth First Traversal |
| i | Show data in BST using inorder traversal |
| p | Show data in BST using preorder traversal |
| t | Show data in BST using postorder traversal |
| x | Exit |

Example

| Input | Output |
|-------|----------------------|
| a 10 | 10, 7,13, 2,9,11,20, |
| a 7 | 2,7,9,10,11,13,20, |
| a 13 | 10,7,2,9,13,11,20, |
| a 2 | 2,9,7,11,20,13,10, |
| a 9 | 11, 7,13, 2,9,20, |
| a 20 | 11, 7,13, 2,20, |
| a 11 | |
| b | |
| i | |
| p | |
| t | |
| d 10 | |

| | |
|--------------------|--|
| b d 9 b x | |
|--------------------|--|