BST

1. ***Binary Search Tree:*** Implement a generic binary search tree with put(), get(), size(), min(), floor(), select() and keys() functions without using recursion.

**Input Format:**

* **Read each line in the input files. There are 7 possible cases in the input lines.**

**PUT key value**

**GET key**

**SIZE**

**MIN**

**FLOOR key**

**SELECT int**

**KEYS min-key max-key**

**Output Format:**

* **The output is dependent on the method called.**

**Note: Make sure to write all functions without using recursion.**

**Sample Input #1:**

**PUT ABDUL 1**

**GET ABDUL**

**PUT HRITHIK 2**

**PUT SAI 3**

**PUT SAMAL 6**

**GET SAI**

**PUT TASHI 4**

**SIZE**

**MIN**

**FLOOR HRITHIK**

**FLOOR HAHA**

**SELECT 2**

**KEYS ABDUL TASHI**

**PUT CHIMI 5**

**PUT SAMAL 4**

**GET SAMAL**

**PUT NIMA 7**

**SIZE**

**GET CHIMI**

**FLOOR CHIMA**

**PUT SONAM 8**

**KEYS ABDUL TASHI**

**Sample Output #1:**

**1**

**3**

**5**

**ABDUL**

**HRITHIK**

**ABDUL**

**SAI**

**ABDUL HRITHIK SAI SAMAL TASHI**

**4**

**7**

**5**

**ABDUL**

**ABDUL CHIMI HRITHIK NIMA SAI SAMAL SONAM TASHI**