

Create a BST where each node stores the rollNumber and marks of a student. Your task is to provide the implementation of following methods.

constructor

insertRecord() function

updateRecord() function

countOfPassedStudents()

showData() function

inside main() function, create an object of BST class.

Insert the following data and create the BST according to the marks.

- 19L-1941, 71 should be the root node
- 19L-1942, 62
- 19L-1943, 67
- 19L-1944, 54
- 19L-1945, 58
- 19L-1946, 45
- 19L-1947, 29
- 19L-1948, 76
- 19L-1949, 81
- 19L-1950, 92

Update the data of following record

- Marks of 19L-1944 are 54. Update the marks to 47
- Marks of 19L-1949 are 81. Update the marks to 85

Call the countOfPassedStudents(). You can either display the **count** in the same function or return the value to main function.

Call the showData() function to display all the records of BST in **preorder traversal**.

Note: It is not mandatory to create a template class