

Our Solution(s)

Run Code

Solution 1

Solution 2

1

Copyright © 2020 AlgoExpert, LLC. All rights reserved.

2

3

Average: O(log(n)) time | O(1) space

4

Worst: O(n) time | O(1) space

5

def findClosestValueInBst(tree, target):

6

return findClosestValueInBstHelper(tree, target, float("inf"))

7

8

9

def findClosestValueInBstHelper(tree, target, closest):

10

currentNode = tree

11

while currentNode is not None:

12

if abs(target - closest) > abs(target - currentNode.value)

13

closest = currentNode.value

14

if target < currentNode.value:

15

currentNode = currentNode.left

16

elif target > currentNode.value:

17

currentNode = currentNode.right

18

else:

19

break

Our Tests

Your Solutions

Run Code

Solution 1

Solution 2

Solution 3

1

def findClosestValueInBst(tree, target):

2

Write your code here.

3

pass

4

Custom Output

Raw Output

Submit Code

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

Run or submit code when you're ready.