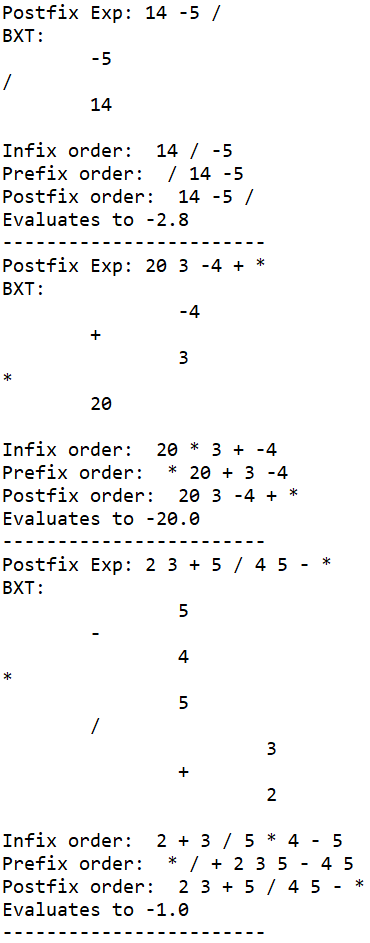
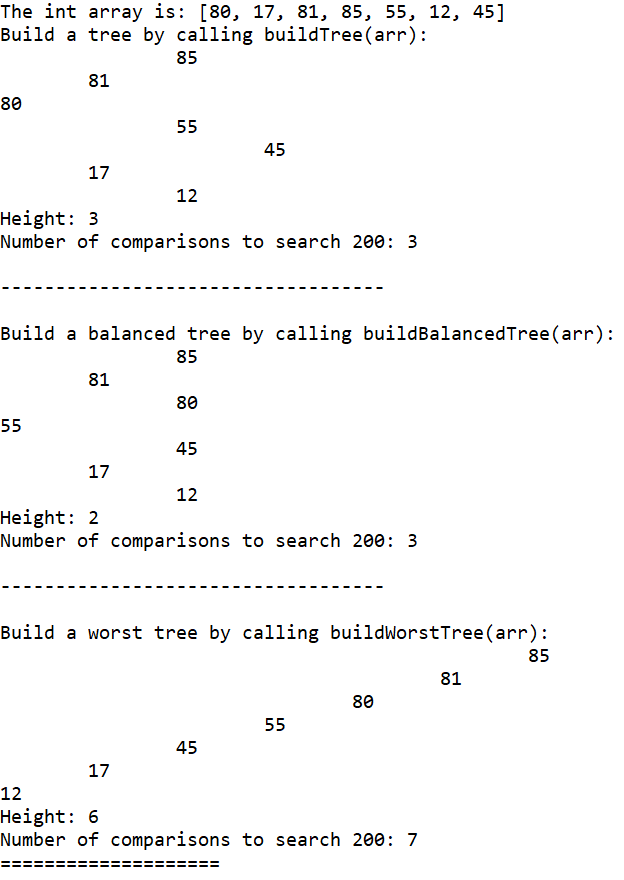
**1**



**2**



The int array is: [83, 52, 100, 54, 74, 29, 47]

Build a tree by calling buildTree(arr):

100

83

74

54

52

47

29

Height: 3

Number of comparisons to search 200: 2

-----------------------------------

Build a balanced tree by calling buildBalancedTree(arr):

100

83

74

54

52

47

29

Height: 2

Number of comparisons to search 200: 3

-----------------------------------

Build a worst tree by calling buildWorstTree(arr):

100

83

74

54

52

47

29

Height: 6

Number of comparisons to search 200: 7

====================

The int array is: [48, 20, 36, 38, 6, 91, 92]

Build a tree by calling buildTree(arr):

92

91

48

38

36

20

6

Height: 3

Number of comparisons to search 200: 3

-----------------------------------

Build a balanced tree by calling buildBalancedTree(arr):

92

91

48

38

36

20

6

Height: 2

Number of comparisons to search 200: 3

-----------------------------------

Build a worst tree by calling buildWorstTree(arr):

92

91

48

38

36

20

6

Height: 6

Number of comparisons to search 200: 7

====================

The int array is: [64, 17, 99, 68, 37, 43, 47]

Build a tree by calling buildTree(arr):

99

68

64

47

43

37

17

Height: 4

Number of comparisons to search 200: 2

-----------------------------------

Build a balanced tree by calling buildBalancedTree(arr):

99

68

64

47

43

37

17

Height: 2

Number of comparisons to search 200: 3

-----------------------------------

Build a worst tree by calling buildWorstTree(arr):

99

68

64

47

43

37

17

Height: 6

Number of comparisons to search 200: 7

====================