CS114\_DataStructures\_Assessment\_15Oct\_Set1

**Section: 1**

1. Stack
2. I and II
3. O(n)
4. ())(()
5. 1,5
6. The reference pointer called top is maintained only after the push operation.
7. 142
8. 1 3 5 5 3 1
9. Insert an element at the start
10. All of the above

**Section: 2**

**package** q;

**import** java.util.ArrayDeque;

**import** java.util.Queue;

**public** **class** Test {

**public** **static** **void** main(String[] args) {

Queue < Integer> a = **new** ArrayDeque<Integer> (3);

a.add(1);

a.remove();

a.add(2);

a.add(3);

**for**(Integer Queue: a) {

System.***out***.println(Queue);

}

}

}