```
Question 1 2/2 pts

Predict the output of the following Java code?

public class Test {
    public static void main(String[] args) {
        Queue<Integer> q = new LinkedList<>();
        q.add(10);
        q.add(20);
        q.add(30);
        q.remove(20);
        System.out.println(q);
    }
}

@ [10, 30]

[10, 20, 30]

[20,30]
```

Question 2	2 / 2 pts
Predict the output of the following Java code	
public class Test {	
public static void main(String[] args) {	
Stack <integer> s = new Stack<>();</integer>	
s.push(10);	
s.push(20);	
s.push(30);	
s.pop();	
s.push(40);	
System.out.println(s.peek());	
}	
}	
⊚ 40	
○ 30	
○ 10	
O 20	

```
Question 3 2 / 2 pts

Predict the output of the following Java code

TreeNode root = new TreeNode(5);

root.left = new TreeNode(3);

root.right = new TreeNode(8);

root.left.left = new TreeNode(1);

root.left.right = new TreeNode(4);
```

S	ystem.out.pri	intln(root.left.righ	nt.val);				
	4						
	0 1						
	0 8						
	0 3						

Question 4	2 / 2 pts						
Predict the output of the following Java code							
Queue <integer> queue = new LinkedList<>();</integer>							
queue.add(5);							
queue.add(3);							
queue.remove();							
System.out.println(queue.peek());							
③ 3							
O 5							
o null							
O None of the options							

Question 5	2 / 2 pts
Predict the output of the following Java code PriorityQueue <integer> queue = new PriorityQueue<>();</integer>	
queue.add(5); queue.add(3); queue.add(7);	
System.out.println(queue.peek());	
● 3○ 5	
○ 7 ○ None of the options	