1. Queue implementation can either be based on an array or a LinkedList. True or False
2. Priority Queues items are ordered by key value so that the item with the highest is always at the front. (True or False)
3. What is the expected output of the following code snippet?

```
Queue<Integer> fifo = new PriorityQueue<Integer>();

fifo.add(25);

fifo.add(15);

fifo.add(35);

System.out.println(fifo);
```

a) [25, 12 35]

b) [15, 25, 35]

c) [35, 15, 25]

d) None of the above

4. only top element can be accessed in stack .

true b.false

5. In which Interface consists of Linked List and PriorityQueue class ?

a. List b. Set c. Map d. Queue

6. Insert allowed or Not allowed.

	Stack	Queue
a. Operation FIFO		
b. Use Linked List		
c. Peek() operation		

7. True or false

1.Pop() operation of the stack is used to remove the item from the top off the stack.
2.Queue is last in first out and stack is first in first out.
3.Peek operation is return the top element and remove it from the stack.

8. what is the output of the following code

```
Queue<Integer> q = new Queue <Integer>();

 q.add(42);
```

q.add(-3);

q.add(17);

System.out.println(q.remove()

A. [42, -3, 17] B, 42 C compilation error D. 17

9. Which one of the following data structure is implements both List and Queue

A. Linked list B. Stack C. Priority Queue D Array list

10. ……. is an array-based implementation of LIST.

Answers:

1. T
2. F
3. b
4. T
5. d
6. Stack,
7. T
8. c
9. a
10. Vector