Placement Test – 1

Ans1 : Stack

Ans2 : I,II and III

Ans3 : log n

Ans4 : b option

Ans5 : 1,5

Ans6 : a option

Ans7 : 142

Ans8 : 1 3 5 5 3 1

Ans9 : c option

Ans10 : All the above

Code 1

**import** java.util.Scanner;

**public** **class** LinkedList {

**static** Node<Integer> *head*;

**static** Node<Integer> *tail*;

**static** **class** Node<T> {

T data;

Node next;

Node(T data) {

**this**.data = data;

next = **null**;

*tail* = **null**;

}

}

**static** **void** insert(Node<Integer> head , **int** data) {

Node<Integer> newNode = **new** Node<>(data);

**if**(head == **null**) {

head = newNode;

*tail* = newNode;

head.next = head;

**return**;

}

System.***out***.println("Head = "+head.data);

Node<Integer> temp = head;

**while**(temp.next != head) {

temp = temp.next;

}

temp.next = newNode;

*tail* = newNode;

newNode.next = head;

System.***out***.println("Tail = "+*tail*.data);

}

// static void insert(int data) {

// insert(head , data);

// }

//

**private** **static** **void** print(Node<Integer> head , **int** times) {

**if**(head == **null**)

**return**;

Node<Integer> temp = *tail*;

**while**(times-- > 0) {

**while**(temp.next != *tail*) {

System.***out***.print(temp.data+"-->");

temp = temp.next;

}

**if**(times != 0) {

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

temp = temp.next;

}

}

}

**static** **void** print(**int** times) {

*print*(*head* , times);

}

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

Scanner in = **new** Scanner(System.***in***);

System.***out***.println("Enter n");

**int** n = in.nextInt();

**while**(n-- > 0) {

**int** data = in.nextInt();

*insert*(*head* , data);

}

System.***out***.println("Enter times ");

**int** times = in.nextInt();

*print*(times);

in.close();

}

}