```
if(head == null)
                                              head = newNode;
                                 else{
                                              head.prev = newNode;
                                              head = newNode;
                                 }
                  Void deleteAtBeg(){
    DoublyNode temp = head;
    head = head.next;
    head.prev = null;
    temp.next = null;
                  System.out.print("<- "+temp.data+" ->");
temp = temp.next;
                  }
                 public static void main(String[] args){
    DoublyList list = new DoublyList();
    list.insertAtBeg(10);
    list.insertAtBeg(20);
    list.insertAtBeg(30);
    list.insertAtBeg(40);
    list.insertAtBeg(50);
    list.insertAtBeg(60);
    System.out.println("Doubly Linked List is: ");
    list.printList();
    list.deleteAtBeg();
                               ist.printList();
list.deleteAtBeg();
System.out.println();
System.out.println("List after deletion from beginning: ")
Class DoublyNode of
Int douta
                         Doubly Node next;
Doubly Node Prev;
                          Aoubly Node (
                                        dota=0
                                         next = null;
```

```
//template for Doubly Node
class DoublyNode{
    int data;
    DoublyNode next;
    DoublyNode prev;
    DoublyNode() {
        data = 0;
        next = null;
        prev = null;
}
```

}

```
StackByArray
   package stack:
   public class StackByArray {
   int topofstack;//keeps track of the cell which is last occupied in Array, this will help in insertion/deletion.
           System.out.println("Successfully created an empty Stack of Size:
   "+size);
           }//end of method
          } else {
System.out.println("stack overflow error!!");
                           arr[topofStack+1] = value;
                           topofstack++;
                           System.out.println("Successfully inserted " + value + " in
  the stack");
          }//end of method
          arr[topOfStack] + "...");
topOfStack--;
                          System.out.println("Poping value from Stack: " +
          }//end of method
         public boolean isEmptyStack() {
                  //if top pointer is zero, the stack is empty
if (topOfStack == -1)
                          return true:
         }//end of method return false;
         public boolean isFullStack() {
    if (topOfStack == arr.length-1) {
        System.out.println("Stack is full !");
}
                          return true;
                 }else {
                          return false;
         }//end of method
         public void peekoperation() {
    if (!isEmptyStack())
                         System.out.println("Top of Stack: " + arr[topofstack]);
                         System.out.println("The stack is empty!!");
                 System.out.println();System.out.println();
        }//end of method
        public void deleteStack() {
                 arr = null;
        System.out.println("Stack is successfully deleted"); }//end of method
}//end of class
```

```
StackByArray (3)
package stack:
public class StackByArray {
           int[] arr;
            int topofstack;//keeps track of the cell which is last occupied in Array,
  this will help in insertion/deletion
             public StackByArray(int size) {
                       this.arr = new int[size];
this.topofstack = -1;
System.out.println("Successfully created an empty Stack of Size:
       "+size);
                }//end of method
                 arr[topOfStack+1] = value;
                                    topofstack++
                                    System.out.println("Successfully inserted " + value + " in
           the stack"):
                    }//end of method
                    System.out.println("stack underflow error!!");
                                      System.out.println("Poping value from Stack: " +
             arr[topOfStack] +
                                   ");
topOfStack--;
                      }//end of method
                      public boolean isEmptyStack() {
    //if top pointer is zero, the stack is empty
    if (topOfStack == -1)
        return true;
                      }//end of method return false;
                      public boolean isFullStack() {
    if (topofStack == arr.length-1) {
        System.out.println("Stack is full !");
        return true;
}
                               }else {
                                        return false;
                       }//end of method
                        System.out.println("The stack is empty!!");
                        System.out.println();System.out.println();
}//end of method
                         public void deleteStack() {
    arr = null;
                         System.out.println("Stack is successfully deleted"); }//end of method
                 }//end of class
```

}