```java
import java.io.*;
class stack_int
{
  int st[];
  int sp,n;
  stack_int(int nn)
  {
    sp=-1;
    n=nn;
    st=new int[n];
  }
  public void push(int item)
  {
    if(sp==(n-1))
      System.out.println("Stack Overflow");
    else
      {
        sp++;
        st[sp]=item;
      }
  }
  public void pop()
  {
    int v;
    if(sp==-1)
      {
        System.out.println("Stack Underflow");
      }
    else
      {
        v=st[sp];
        System.out.println("Popped element is "+v);
        sp--;
      }
  }
  public void display()
  {
    if(sp==-1)
      {
        System.out.println("Stack Empty");
```

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        }
        else
        {
            //System.out.println("stack elements are & stack pointer= "+st[sp]);
            for(int i=sp-1;i>=0;i--)
                { i=Sp, i >=0; i--
                System.out.println("Stack elements are ="+st[i]);
                }
        }
    }
    public static void main(String args[])throws IOException
    {
        InputStreamReader isr=new InputStreamReader(System.in);
        BufferedReader br=new BufferedReader(isr);
        stack_int s1=new stack_int(20);
        s1.push(10);
        s1.push(20);
        s1.push(30);
        s1.push(40);
        s1.push(50);
        s1.display();
        s1.pop();
        s1.display();
    }
}
```