**AIM:** To write a java program to implement stacks.

**PROGRAM:**

import java.util.\*;

class Stack<T>

{

ArrayList<T> ar=new ArrayList<>();

void push(T element)

{

ar.add(element);

}

T pop()

{

if(ar.size()==0)

{

System.out.println("STACK IS EMPTY WE CANNOT POP");

System.exit(0);

}

return ar.remove(ar.size()-1);

}

void printStack()

{

System.out.println(ar);

}

}

class MainStacks

{

public static void main(String arg[])

{

Stacks<Integer> s=new Stacks<>();

s.push(1);

s.push(2);

s.push(22);

s.printStack();

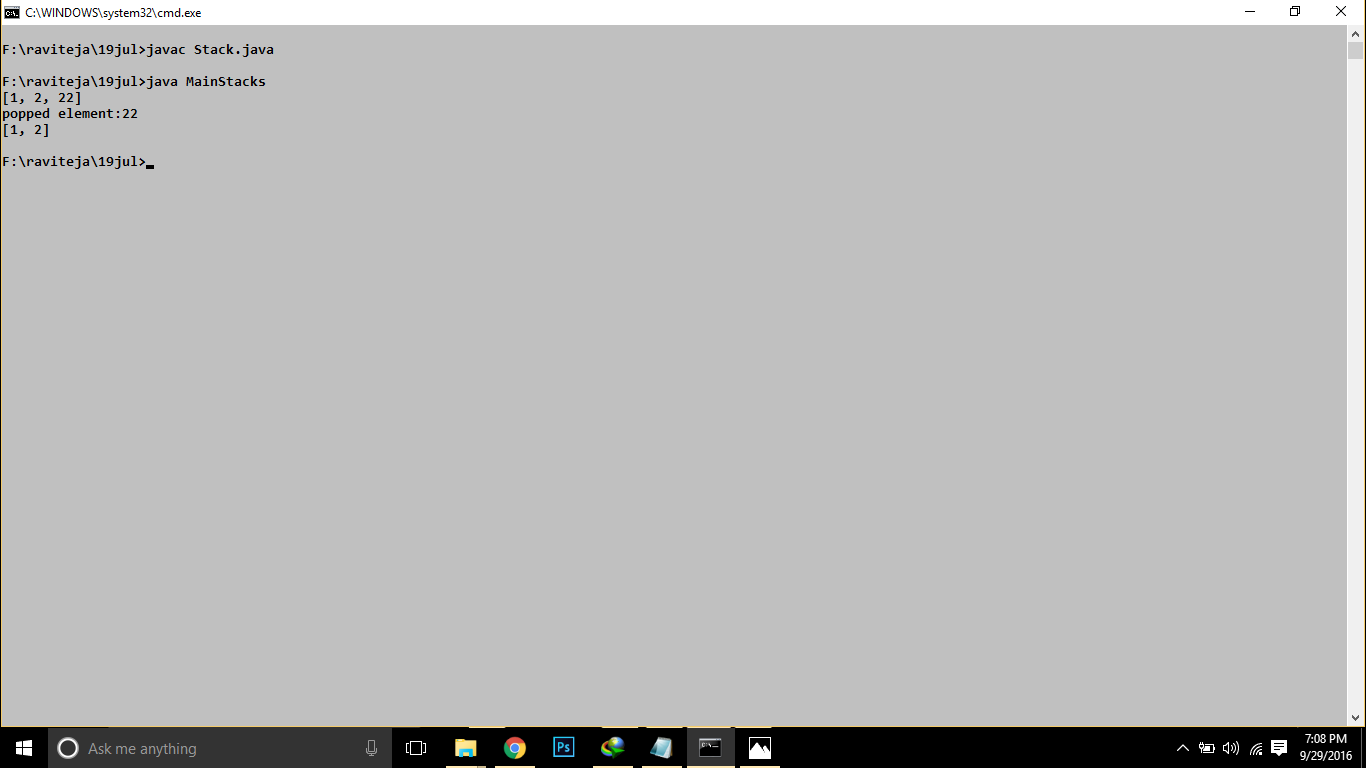
System.out.println("popped element:"+s.pop());

s.printStack();

}

}

**OUTPUT:**

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