public class Stack

{

static final int MAX = 1000;

int top;

int a[] = new int[MAX];

boolean isEmpty()

{

return (top < 0);

}

Stack()

{

top = -1;

}

boolean push(int x)

{

if (top >= (MAX-1))

{

System.out.println("Stack Overflow");

return false;

}

else

{

a[++top] = x;

System.out.println(x + " pushed into stack");

return true;

}

}

int pop()

{

if (top < 0)

{

System.out.println("Stack Underflow");

return 0;

}

else

{

int x = a[top--];

return x;

}

}

public static void main(String args[])

{

Stack s = new Stack();

s.push(10);

s.push(20);

s.push(30);

System.out.println(s.pop() + " Popped from stack");

}

}