|  |
| --- |
| package vandana.projects.com; |
|  |  |
|  | public class Stack { |
|  |  |
|  | static final int MAX = 10000; |
|  | 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"); |
|  |  |
|  |  |
|  | } |
|  |  |
|  | } |