## write the program to insert and remove elements in a stack.

```
package p4;
public class Stack {
      static final int MAX = 1000;
      int top;
      int a[] = new int[MAX];
      boolean isEmpty() {
            return (top < 0);</pre>
      }
      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(7);
            s.push(60);
            s.push(40);
            System.out.println(s.pop() + " Popped from stack");
      }
}
```

```
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