

```

public static void operate(Stack numStack, char operator)
    throws StackEmptyException {
    int operand2 = ((Integer) numStack.pop()).intValue();
    int operand1 = ((Integer) numStack.pop()).intValue();
    System.out.print(operator + " ");

    switch(operator) {
    case '+':
        numStack.push(new Integer(operand1 + operand2));
        break;
    case '-':
        numStack.push(new Integer(operand1 - operand2));
        break;
    case '*':
        numStack.push(new Integer(operand1 * operand2));
        break;
    case '^':
        int result = 1;
        for (int i = 0; i < operand2; i++) {
            result = result * operand1;
        }
        numStack.push(new Integer(result));
        break;
    }
}

```