**Question** → 1. Program of Balancing Brackets

import java.util.Stack;

public class BalancedBrackets {

public static boolean isBalanced(String expression) {

Stack<Character> stack = new Stack<>();

char[] chars = expression.toCharArray();

for (char c : chars) {

if (c == '(' || c == '[' || c == '{') {

stack.push(c);

} else if (c == ')' || c == ']' || c == '}') {

if (stack.isEmpty()) {

return false;

} else if ((c == ')' && stack.peek() == '(') ||

(c == ']' && stack.peek() == '[') ||

(c == '}' && stack.peek() == '{')) {

stack.pop();

} else {

return false;

}

}

}