***Java program that calculates the mathematical constant "e" using the formula e=1+12!+13!+…e=1+2!1​+3!1​+… up to the 5th term:***

public class CalculateE {

public static void main(String[] args) {

int n = 5;

double e = calculateE(n);

System.out.println("The value of e (approximated to " + n + " terms) is: " + e);

}

public static double calculateE(int n) {

double e = 1.0;

double term = 1.0;

for (int i = 1; i <= n; i++) {

term /= i;

e += term;

}

return e;

}

}