**33.Print pascal triangle pattern nested for loop**

**Program:**

#include <iostream>

int main() {

int rows;

std::cout << "Enter the number of rows for Pascal's triangle: ";

std::cin >> rows;

for (int i = 0; i < rows; ++i) {

int number = 1;

for (int j = 0; j < rows - i - 1; ++j) {

std::cout << " ";

}

for (int k = 0; k <= i; ++k) {

std::cout << " " << number;

number = number \* (i - k) / (k + 1);

}

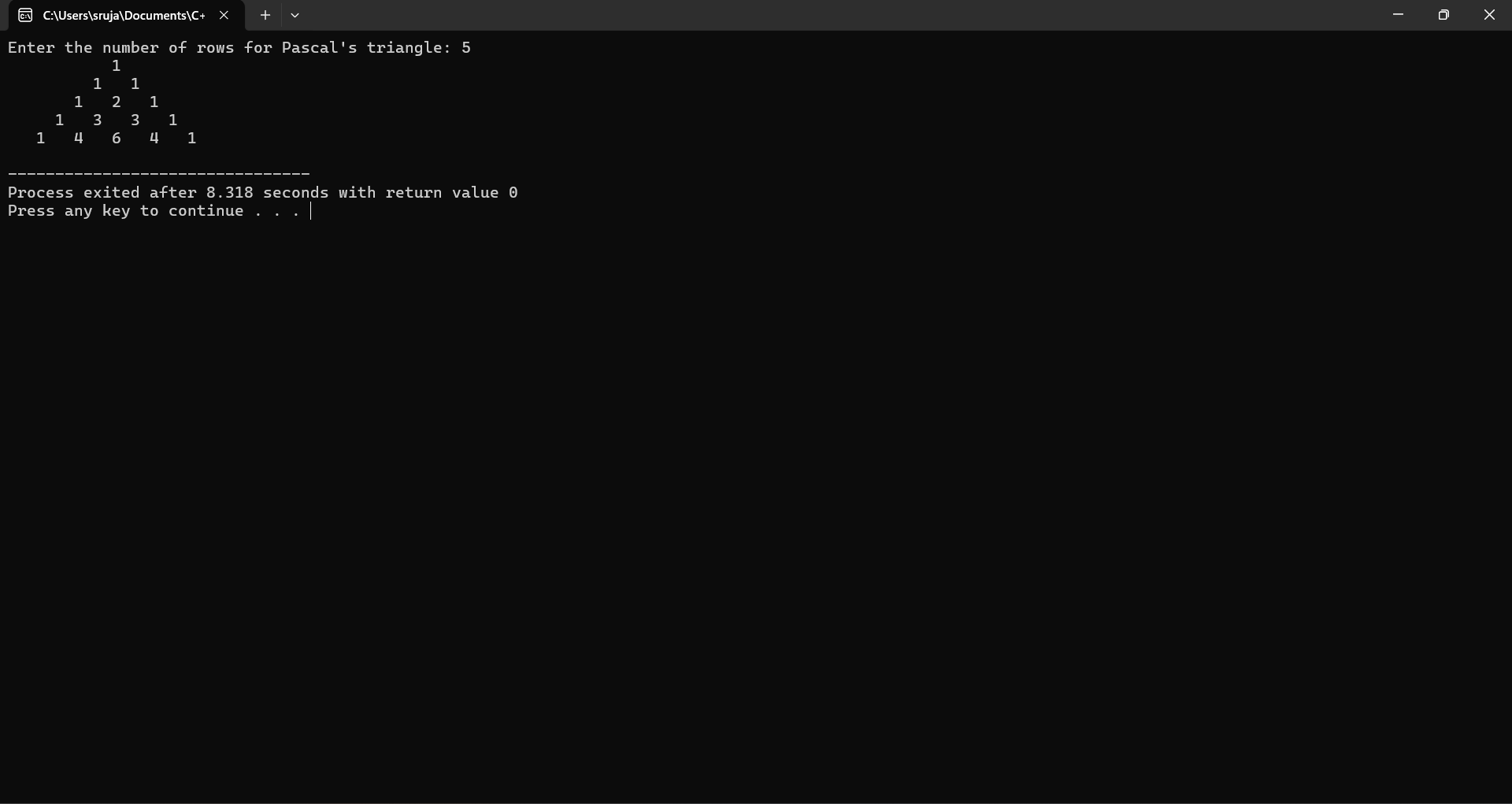
std::cout << std::endl;

}

return 0;

}

**OUTPUT:**

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