## Experiment No: 29

## **Experiment Name:** Pattern Printing

## **Objective:**

* Provide a brief overview of the purpose of the program.
* Explain the significance of the pattern printed in the program.
* State the objectives of the lab report.

# **Code:**

#include <stdio.h>

int main() {

int rows;

printf("Enter the number of rows: ");

scanf("%d", &rows);

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

int number = 1;

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

printf("%d ", number);

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

}

printf("\n");

}

return 0;

}

# **Input:**

Enter the number of rows: 5

**Output:**

1

1 1

1 2 1

1 3 3 1

1 4 6 4 1

## **Discussion:**

* Summarise the key findings of the lab.
* Discuss the importance of understanding loops in programming.
* State any insights gained from implementing the program.