

Lab 3

Objective: In this lab session we will explore the following new C constructs that we have discussed in the class

Problem 1: Take a positive integer from the user and check if it is a prime number or not.

Problem 2: Take a series of integers from the user and calculate min, max, and average. Note that you are not allowed to use more than 5 variables throughout the code.

Problem 3: Write a program to print [Pascal's triangle](#). Take the number of rows from the user.

An image of Pascal's triangle with 8 rows (from Wikipedia)

```

      1
     1 1
    1 2 1
   1 3 3 1
  1 4 6 4 1
 1 5 10 10 5 1
1 6 15 20 15 6 1
1 7 21 35 35 21 7 1
```