1. Find the maximum of three numbers

static int calMax(int x,int y,int z)

1. Develop a program, that accepts a deposit amount and calculates amount of interest the deposit amount earns in an year. The bank pays a flat 4% for deposits of up to Rs.1000, a flat 4.5% per year for deposits of up to Rs.5000, and a flat 5% for deposits of more than Rs.5000.

static double calInterest(int amt)

1. Develop the program, which accepts the gross pay and produces the amount of tax owed. For a gross pay of $240 or less, the tax is 0%; for over $240 and $480 or less, the tax rate is 15%; and for any pay over $480, the tax rate is 28%.

static double calTax(int gp)

1. **Find the number of prime numbers below a given number.**

static int prime\_num( int num)

1. **An old-style movie theater has a simple profit program. Each customer pays $5 per ticket. Every performance costs the theater $20, plus $.50 per attendee. Develop the program that accepts the number of attendees (of a show) and calculates how much income the show earns.**

static float calculateProfit( int numAttendees)

1. Write a program to create a rectangular array containing a multiplication table from 1\*1 up to 12\*12. Output the table as 13 columns with the numeric values right-aligned in columns. (The first line of output will be the column headings, the first column with no heading, then the numbers 1 to 12 for the remaining columns. The first item in each of the succeeding lines is the row heading, which ranges from 1 to 12.)

static void displayMultiplicationMatrix()