Program for Practice

1) Write a program to accept the three sides of a triangle and find whether the triangle is a right angle triangle or not (Use Pythagoras Therom).

2) Write a program to genrate all the intetgers in the ramne of ‘m’ and ‘n’ divisible by ‘d’. (m, n, d are inputs from user).

3)Write a program to find sum of sequnce
1-1/2+1/3-1/4.....

4) Write a program to print mupliplication table of a number using a FUNCTION.

5) Given month and year, write a program to find the number of days in the month in the given year using function.
Example: Input Month=4 Year=2000
Output: Days=30

Input Month=2 Year=2000
Output: Days=28

Input Month=12 Year=1995
Output: Days=31

6) Write a program to calculate Ncr=n!/n!*(n-r)!. Use a separate function which will return factorial of a given number.

7) Write a program to find union of two arrays a and b with size m and n respectivly.
e.g. int a[]={1,2,3,4,5};
int b[]={1,4,6};

Result c array: c[]={1,2,3,4,5,6};

8) Write a program to find whether a matrix is an identity matrix or not.

9) Write a program to sort a matrix row wise (for n*n matrix, n>=5, You can use any sorting alogorithm)

10) Write a program to find saddle points in a matrix.
(A saddle point is one which is the least element in the row and is the largest elements in the column.)

11) Write a program to simulate strcmpi().
Strcmpi function ignores the case of the lettters while comparing. e.g. the string “ABC” and “abc” are treated to be equal.

12) Accept dates in dd-mm-yyyy fromat into string variables and perform th following
i) Validate the given date
ii) Find the difference between two dates
iii) Find whether date d1 is earlier than or later than or qual to date d2