Assignment 1 (date of session: 18 July 2017)

1. Make the setup ready for development (install a Linux VM with glibc/gcc)
2. Temperature of a city in Fahrenheit degrees is input through

The keyboard. Write a program to convert this temperature into Centigrade degrees.

1. Two numbers are input through the keyboard into two locations C and D. Write a program to interchange the contents of C and D.
2. Write a C program that prints all even numbers between 1 and 50 (inclusive)
3. If a five-digit number is passed as an argument to program, write a program to reverse the number.
4. If a five-digit number is input through the keyboard, write a program to print a new number by adding one to each of its digits. For example if the number that is input is 12391 then

The output should be displayed as 23402

1. If a five-digit number is passed as an argument, write a program to calculate the sum of its digits.

(Hint: Use the modulus operator ‘%’)

1. Write a C program to print a block F using hash (#), where the F has a height of six characters and width of five and four characters.  
   *Expected Output*:

######

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#

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1. Write a C program that accepts three integers and find the maximum of three.
2. Write a C program to calculate the distance between the two points

Test Data :  
Input x1: 25   
Input y1: 15   
Input x2: 35   
Input y2: 10

1. Write a C program to read a password until it is correct. For wrong password print "Incorrect password" and for correct password print "Correct password" and quit the program. The correct password is 1234