

Cyber Security (Assignment -1)

CSE, 3rd Semester

Deadline August 09, 2020

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Note -

- Create your GitHub profile as taught in lectures and then push all your programs to folders named according to the assignment. For Example - when you push codes of this assignment, they should be inside the Assignment1 folder.
 - Please keep in mind that you don't commit all the codes together. Keep on committing codes module wise or question wise whatever seems available.
1. Write a C/C++ program that takes n number of command line arguments and finds the least number. In case of invalid entered value, prompt the user to enter another value.
 2. Write a C/C++ program to check whether a string is palindrome or not.
 3. Write a C/C++ program that lists down all the prime numbers in a range between a and b, where a and b are two whole numbers.
 4. Write a C/C++ program to encrypt and decrypt the string using **Caesar Cypher** Algorithm. While encrypting the given string, 5 is added to the ASCII value of the characters. Similarly, for decrypting the string, 5 is subtracted from the ASCII value of the characters to print an original string. **Example** - Input String - hello, Encrypted String - mjqqt
 5. You are given a string (you need to take it input from user), the task is to encrypt this string using # and \$ symbols, alternatively. While encrypting the message the encrypted format must repeat the symbol as many times as the letter position in alphabetical order (consider the string as case insensitive).

Input: string = "Ab"

Output: #\$\$

Explanation: Position of 'A' in alphabetical order is 1 and is at odd position in string so encrypted message will have 1 '#'. Similarly, position of 'B' in alphabetical order is 2 and is at even position in string so encrypted message will have 2 '\$'. Therefore, the output will be "#\$\$"

Input: string = "CDE"

Output: ###\$\$\$\$#####