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TIFAC Core in Cyber Security

Secure Coding Lab 4 - C Programming

Instructions:

1. Write the programs using C language.
2. Create a word document with the question, code and screenshot of the output.
3. Add your name and register number on the top of the document.

1. Write your own version of printf named myprintfunction().
   a. It should be able to accept various types of parameters such as char, int, double, etc.
   b. Bonus : The function should be able to accept different parameter count. The first parameter says the count of parameters, followed by actual parameters

2. Write a program to read all txt files (that is files that ends with .txt) in the current directory and merge them all to one text file and return a file descriptor for the new file.

3. Write a program that will categorize all files in the current folder based on their file type. That is all .txt files in one folder called txt, all .bmp files in another folder called bmp etc. The argument to the program is a folder name.

4. Given a directory, write a program that will find all files with the same name in the directory and its sub directories. Show their name, which folder they are in and what day they were created. Expand the program to remove all duplicate copies based on user input. That is, ask the user if each one of the files is to be kept or deleted. Based on user input, perform the appropriate action.