CODE-MANIA (CODEFRENZY)

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1) Write a program to find prime numbers between the ranges taken as input by **"Seive of Eratosthenes"** method.

2) Write a program to show following logo as an output using **'*'(STAR)**

3) Write a program to print the series upto the number taken as input in following pattern

1	2		1	2
	9			9
3	4		3	4
	64			64
5	6		5	6
	169			169
7	8		7	0

(Here Input Number is 8-----<u>Even Number</u>)   **(Here Input Number is 7-----<u>Odd Number</u>)**

4) Write a program to perform simulation of **"Tower of Hanoi"** using graphics for 3 disks.

5) Write a program that receives the month and year from keyboard as integers and prints the **Calendar.** Note that according to the Gregorian calender 01/01/1900 was Monday.With this as the base the calender should be generated.

6) Suppose a file contains student's records with each record containing name and age of student. Write a program to read these records and display them in sorted order by name.

7) There are 100 records present in a file with the following structure:

> struct date
>
> {
>
> int d,m,y;
>
> }
>
> struct employee
>
> {
>
> int empcode[6];
>
> char empname[20];
>
> struct date dateofjoining;
>
> float salary;
>
> };

Write a program to read these records,arrange them in ascending order by **dateofjoining** and write them in to a target file.

8) Write a program to implement CRC for error detection.

9) Write a program to compute the **greatest common divisor** by **Euclid's algorithm.**

10) Write a menu driven program that depicts the working of a library. The menu options should be:

1. Add book information

2. Display book information

3. List all books of given author

4. List the title of specified books

5. List the count of books in the library

6. List the books in the order of accession number

7. Exit

Create a structure called library to hold accession number, title of the book, author name, price of the book, and flag indicating whether book is issued or not.

How to send answers to us:

1) **Put .c file of all questions in one folder.**

2) **Named that folder by your receipt number.**

3) **Then zipped that folder.**

4) **Send that folder on following id:**

   codefrenzy@prajwalan.org

5) **Write your receipt number in subject of mail.**

--All the Best---