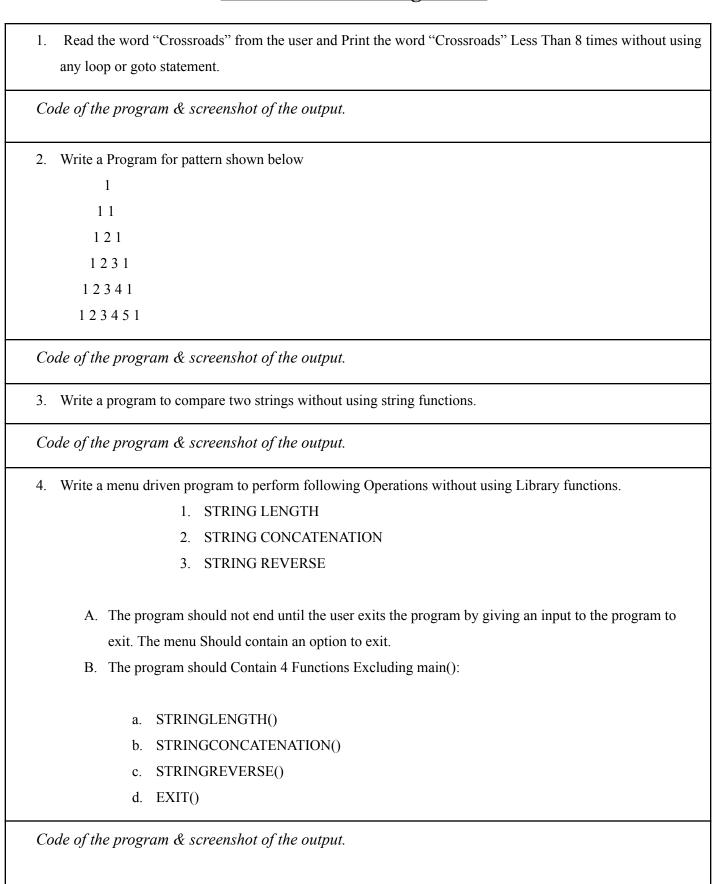
Week 0.1: Extra Assignments



Write a Program to copy one string to another without using String Functions? Code of the program & screenshot of the output. 6. Read some Malayalam Movie Names from User And Sort it? Code of the program & screenshot of the output. 7. Write a program to read the string "India is my country" from the user and find the position of the word "is"? Code of the program & screenshot of the output. 8. Read random numbers [22,87,178,34,10,45,22,89,31] from user and sort numbers in descending Order? Code of the program & screenshot of the output. 9. Read a character from the user and find the ASCII code of that character? Code of the program & screenshot of the output. 10. Write a program to print the following pattern A A B A ABCBA ABCDCBA Code of the program & screenshot of the output. 11. Read some numbers from the user and find the repeating numbers? Eg: Input : 2 9 4 6 9 4 Output :94 Code of the program & screenshot of the output.

Eg,		
	Input	: hello, Welcome to District B-13
	Output	:-
		Number of Alphabets in the string is: 23
		Number of Digits in the string is : 2
		Number of Special characters in the string is: 7
Code of the	program &	screenshot of the output.
13. Read ran	ndom numbers	s from the user, find the maximum number in the list of numbers?
a. Use	at least one f	unction
b. The	function show	uld return a value to main function
Code of the	program &	screenshot of the output.
14. Read a r	andom numbe	er (n) from the user and Generate n th Fibonacci
a. Mu	st use Recursi	on
Code of the	program &	screenshot of the output.
15. Write a p	program to pri	int following pattern
	*	*
:	* *	* *
:	* * *	* * *
:	* * * *	* * * *
:	* * * * *	* * * *
:	* * * * *	* * * * *
:	* * * * * *	* * * * * *
:	* * * * * * *	* * * * * * *
:	* * * * * * *	* ******
	* * * * * * * *	** *****
:		

16. It's your first day at school. Your teacher asked the students to meet every other student in the class and to introduce themselves. The teacher asked them to do handshakes when they meet each other.

If there are n number of students in the class then find the total number of handshakes made by the students.

Program to find the maximum number of handshakes is discussed here. Given a positive integer n, find out the total number of handshakes possible.

Eg,

Input : 15 // Total Number of students

Output :105 //Maximum Number of Handshakes

Code of the program & screenshot of the output.

17. Read two numbers from the user and swap those two numbers using Pointer.

Code of the program & screenshot of the output.

18. Convert the lowercase characters in a word into uppercase

Eg,

Input : Hello

Output : HELLO

Code of the program & screenshot of the output.

19. Write a program to calculate the charge for parcel:

If the weight of the parcel is less than 500gm or equal to 500gm then the parcel charge will be Rs. 200, Otherwise there is an additional charge of Rs.170 per each extra 500gm

Code of the program & screenshot of the output.

- 20. Write a program to perform the following calculation:
 - a. Matrix addition
 - b. Matrix multiplication
 - c. Matrix subtraction
 - d. Matrix transpose
 - Program should be a menu driven program.
 - Program should have Functions with arguments and Return Value.
 - List Functions:
 - matrix_addition()
 - matrix_multiplication()
 - matrix_subtraction()
 - matrix_transpose()
 - exit()
 - Do not exit the program until the user enters the input to exit the program.

Code of the program & screenshot of the output.