

Introduction to Computing Laboratory

Assignment – 6

1. Write a C program to enter any number and check whether the number is palindrome or not.
2. Write a program in C to generate first n number of terms of Fibonacci sequence where the value of n will be accepted as input.
3. Write programs in C to evaluate the following where the value of n will be accepted as input.
 - (a) $S = 1! + 2! + 3! + \dots n$ terms.
 - (b) $S = 1 + 4 + 9 + 16 + \dots n$ terms.
 - (c) $S = 1^1 + 3^2 + 5^3 + \dots n$ terms.
4. Write programs in C to generate the following patterns for n number of lines where the value of n will be accepted as input.

(a)	1	(b)	1	(c)	1	(d)	****	(e)	A
	123		10		2 3		***		A B
	12345		101		4 5 6		**		A B C
	1234567		1010		7 8 9 10		*		A B C D