Subject: Theory of Computation Subject Code: CSC-257

Lab Index

Lab. No.	Title	Practical Date and Signature	Submission Date and Signature
1.	WAP to find out substring according to user's request. Make a function substring_1(w,a,b) where, w is a string input given by the user, a is the starting position for extracting substring and b is the ending position of the substring.		
2.	WAP to find out substring according to user's request. Make a function substring_2(w,a,b) where, w is a string input given by the user, a is the starting position for extracting substring and b is the number of symbols to be extracted.		
3.	WAP to display all the prefixes and suffixes of the given string by making a function suffix_1(w) and prefix_1(w) where, w is a string given by the user.		
4.	Make a function prefix_2(w,n) and suffix_2(w,num) where, w is a string input given by the user and n is the number of trailing symbol to be removed and num is the number of leading symbol to be removed and display the result.		

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Lab. No.	Title	Practical Date and Signature	Submission Date and Signature
5.	WAP to implement a DFA accepting language over Σ ={0,1} such that string end with 01.		
6.	WAP to implement a DFA accepting language over Σ ={0,1} such that string end with 101.		
7.	WAP to implement a DFA that recognizes C identifier.		
8.	WAP to implement an NFA that accepts all strings ending with 01 over the language Σ ={0,1}.		
9.	WAP to implement an NFA that accepts all strings containing 001 as substring over the language Σ ={0,1}.		
10.	WAP to implement a PDA accepting a string over the language Σ ={0,1} such that number of 0's and 1's are equal.		

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Lab. No.	Title	Practical Date and Signature	Submission Date and Signature
11.	WAP to implement a PDA accepting a string over the language Σ ={0,1} such that number of 0's are followed by equal number of 1's.		

Dinesh Baral Roll No: 09