

## INDEX

S.N.	Labs	Date	Signature
1.	<b>Implementing Lexical Analyzer:</b> Implement a lexical analyzer to recognize identifiers, keywords, comments, strings, operators, and constants. Display token type and lexeme.	2082/05/15	
2.	<b>Implementing Symbol Table Operations:</b> Implement a symbol table to demonstrate the operations: insert, lookup and display. Maintain attributes such as identifier name, type, and scope.	2082/05/15	
3.	<b>Recursive Descent Parser:</b> Implement a recursive descent parser for the grammar. $S \rightarrow a A b$ $A \rightarrow a \mid \epsilon$	2082/05/15	
4.	<b>Implementation of Shift-Reduce Parsing:</b> Implement Shift-Reduce parsing for the following grammar and input string: (a +a*a). $E \rightarrow E + E$ $E \rightarrow E * E$ $E \rightarrow (E)$ $E \rightarrow a$	2082/05/15	
5.	<b>Write a program to generate closure set on LR(0) items for the grammar:</b> $S \rightarrow A B$ $A \rightarrow a$ $B \rightarrow b$	2082/05/16	
6.	<b>Intermediate Code Generation:</b> Write a program to generate three-address code for arithmetic assignment statement.	2082/05/16	
7.	<b>Target Code Generation:</b> Write a program to generate target code for a simple register-based machine.	2082/05/16	