Compiler Design Lab

LALR Parser

1. Write a program to create an LALR parser for the following grammar:

 $E->E+T \mid T$

T->T*F|F

 $F->(E) \mid id$

Your program should able to create the parser table using appriate reduction and shift operations.

Show that your program is able to parse a valid and invalid input text. You can choose any expression involving all the operators.

5 marks.