and Townslation suche for LEX with suitable example LEX is a program that generales lexial analyzers. It is had with The pares generator. The lexical analyzers is a program that townspours an expect stociam cinto a sequence of tokens. It suads the input stream and produces the the source code as autput through implementing the lixical analyzer in the Consignan. · first lexical analyzon creates a program len 1 in the lex language. Then lex compiler suins the lin 1. program and products at c program longy y.c. · finally c compiler suns the lex yy c program and produces an object program a out. a out is a device analyzor that transporms an input duam into a sequence of tokens. compilue ) len y y c Ruggiam ux competer ) a out len-y.y.c > [a. out] -> signesu forms striam

Officiation of Lex progress:-Lex program will be in following form oliclerations translation sull. auxiliary rule

De clarations.

This section includes declaration of variable, constants, and original alyinations.

Turanslation sulls

It contains originar expressions and code segments forum: Pattern & Action }

Pattern is a sugular expression an sugular dyination Action supers to segment of code.

Auxilliary Functions :-This section held a additional functions which are eved cin actions. These functions are compiled sepuretry and loaded withe lenical analyzon. lenical analyzer produced by len starts its process by reading one character at a time until a valid mateu jour a pattern is jound.

1 \* declarations \*1 Enample -

1 \* Rules # 1 int main ()

2 yylex Cos

3 Fetwer 13

The auxiliary declarations and auxiliary functions are copied as side to the low. y.y. c fell. Once the code as worther lex-y-y-c may be generated every the Command 10x "pli name. I" and conipiled as gec. 10x yy. c.