

AIM: FLEX Implementation and its Outputs.

Valid operations:

1. $x=p+q$ Concatenates the p with q and stores result in x
 2. $x=p-q$ Removes the last "q" symbols from p and stores answer back in x.
 3. $x=p<->q$ Replaces all occurrence of p variable with q variable in x string.
 4. $pos=x?p$ Find and return the first position in X where q string was found
- Variables can be of type: "string" or "char"
 - Variables can be assigned value using "=" symbol.
 - Variable names should start with "small case character" & can't contain integer.
 - The maximum size of name can be 3.

Output Screenshot:

```
D:\Sem-6\LT\Project 2>a.exe
string a = ab + abc
< Keyword , string >
< ID , a >
< Relop , = >
< ID , ab >
< Relop , + >
< ID , abc >
```

```
x = p + q
< ID , x >
< Relop , = >
< ID , p >
< Relop , + >
< ID , q >
```

```
char c = a - b
< Keyword , char >
< ID , c >
< Relop , = >
< ID , a >
< Relop , - >
< ID , b >
```

```
string str = st <-> stt
< Keyword , string >
< ID , str >
< Relop , = >
< ID , st >
< Relop , <-> >
< ID , stt >
```

```
char + = - <-> ? < > 987
< Keyword , char >
< Relop , + >
< Relop , = >
< Relop , - >
< Relop , <-> >
< Relop , ? >
<Invalid Token : < >
<Invalid Token : > >
<Invalid Token : 9 >
<Invalid Token : 8 >
<Invalid Token : 7 >

ab987
< ID , ab >
<Invalid Token : 9 >
<Invalid Token : 8 >
<Invalid Token : 7 >
```