Enrollment No: 160110116004

## Practical - 10

**Aim:** Write a program to implement LZSS algorithm.

```
#include<iostream>
using namespace std;
int main(){
       int w=0,sb=0,lab=0,x=0,o=0,i=0,j=0,y=0,q=0;
       cout<<"Enter the size of window: ";
       cin>>w;
       cout<<endl<<"Enter the size of search buffer: ";
       cin>>sb;
       lab=w-sb;
       cout<<endl<<"Enter the total char in sequence: ";
       char ch[x+1],W[w+1]="";
       cout<<"Enter the char in sequence:\n";
       for(i=1;i<=x;i++)
              cin>>ch[i];
       }
       for(i=sb+1,j=1;i<=w;i++,j++)
              W[i]=ch[j];
       int con=0,len=0,pos=0;
       char *p;
       for(i=1;i<=x;i++){
              con=0,len=0,pos=0;
              for(o=sb;o>0;o--){
                     if(W[o]==W[sb+1]) {
                             p=&W[sb+1];
                             con=1;
                             p++;
                             for(y=0+1;y<=w;y++){
                                    if(W[y]==*p) {
                                           con++;
                                           p++;
                                    }
                                    else
                                           break;
                             if(len<con) {
                                    len=con;
                                    pos=o;
                             }
                     }
              }
              if(con==0){
                     cout<<"0"<<"\t"<<"<c("<<W[sb+1]<<")>\n";
                     for(q=1;q< w;q++){
                             W[q]=W[q+1];
```

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## **Output:**