

```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
```

```
int max(int a, int b) {
    return (a > b) ? a : b;
}
```

```
void printLCS(char *s1,
char *s2) {
    int m = strlen(s1);
    int n = strlen(s2);
    int dp[m + 1][n + 1];
```

```
    // Build the dp table
    for (int i = 0; i <= m; i++) {
        for (int j = 0; j <= n;
j++) {
            if (i == 0 || j == 0)
                dp[i][j] = 0;
            else if (s1[i - 1] ==
s2[j - 1])
                dp[i][j] = 1 + dp[i -
1][j - 1];
            else
                dp[i][j] = max(dp[i
- 1][j], dp[i][j - 1]);
        }
    }
}
```