

Print LCS

```
def printLIS(arr):
    dp = [0] * len(arr)
    dp[0] = 1
    for i in range(1, len(arr)):
        temp = 0
        for j in range(i - 1, -1, -1):
            if arr[j] < arr[i]:
                temp = max(temp, dp[j])
        dp[i] = temp + 1
    queue = []
    var = (max(dp), dp.index(max(dp)), arr[dp.index(max(dp))],
str(arr[dp.index(max(dp))]))
    queue.append(var)
    while len(queue):
        LIS, idx, val, ssf = queue.pop(0)
        if LIS == 1:
            print(ssf)
        for j in range(idx - 1, -1, -1):
            if dp[j] == LIS - 1 and arr[j] < val:
                var = (dp[j], j, arr[j], str(arr[j]) + ' ' + ssf)
                queue.append(var)

arr = [10, 22, 9, 33, 21, 50, 41, 60, 80, 1]
print(printLIS(arr))
```