class LIScode {

static int lis(int arr[], int n)

{

int lis[] = new int[n];

int i, j, max = 0;

for (i = 0; i < n; i++)

lis[i] = 1;

for (i = 1; i < n; i++)

for (j = 0; j < i; j++)

if (arr[i] > arr[j] && lis[i] < lis[j] + 1)

lis[i] = lis[j] + 1;

for (i = 0; i < n; i++)

if (max < lis[i])

max = lis[i];

return max;

}

public static void main(String args[])

{

int arr[] = {23, 90, 69, 84, 74 };

int n = arr.length;

System.out.println("Length of lis is " + lis(arr, n) + "\n");

}

}