package projectsphase1;

public class Subsequence {

static int incre\_subseq(int my\_arr[], int arr\_len){

int seq\_arr[] = new int[arr\_len];

int i, j, max = 0;

for (i = 0; i < arr\_len; i++)

seq\_arr[i] = 1;

for (i = 1; i < arr\_len; i++)

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

if (my\_arr[i] > my\_arr[j] && seq\_arr[i] < seq\_arr[j] + 1)

seq\_arr[i] = seq\_arr[j] + 1;

for (i = 0; i < arr\_len; i++)

if (max < seq\_arr[i])

max = seq\_arr[i];

return max;

}

public static void main(String args[]){

int my\_arr[] = { 25, 20, 68, 59, 35, 76, 97 , 38, 70, 92};

int arr\_len = my\_arr.length;

System.out.println("The length of the longest increasing subsequence is " + incre\_subseq(my\_arr, arr\_len));

}

}