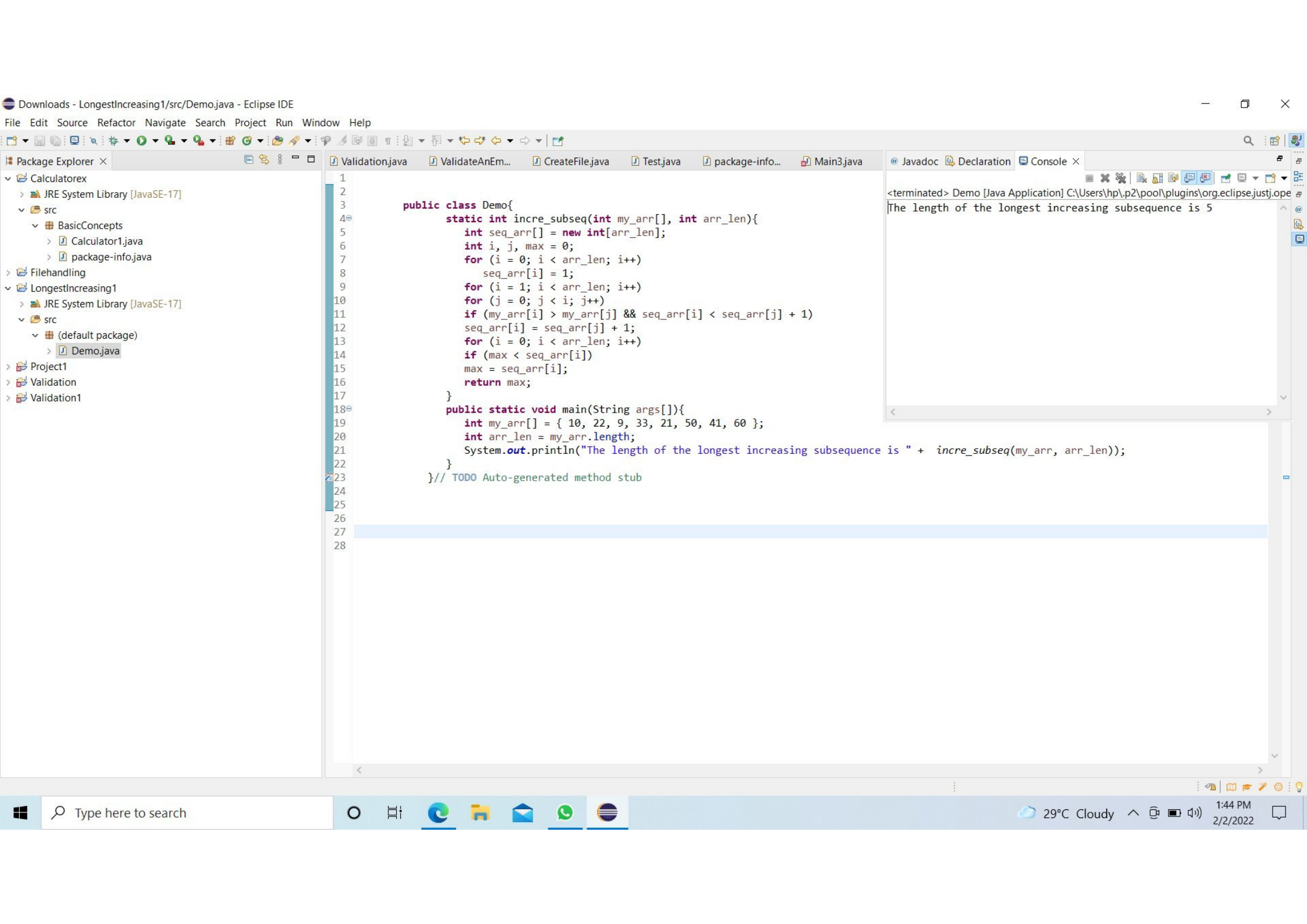
Downloads - LongestIncreasing1/src/Demo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
Calculatorex
JRE System Library [JavaSE-17]
src
BasicConcepts
Calculator1.java
package-info.java
Filehandling
LongestIncreasing1
JRE System Library [JavaSE-17]
src
(default package)
Demo.java
Project1
Validation
Validation1
Validation.java
ValidateAnEm...
CreateFile.java
Test.java
package-info...
Main3.java
Javadoc
Declaration
Console
<terminated> Demo [Java Application] C:\Users\hp\.p2\pool\plugins\org.eclipse.justj.ope
The length of the longest increasing subsequence is 5
public class Demo{
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[] = { 10, 22, 9, 33, 21, 50, 41, 60 };
int arr_len = my_arr.length;
System.out.println("The length of the longest increasing subsequence is " + incre_subseq(my_arr, arr_len));
}
}// TODO Auto-generated method stub
Type here to search
29°C Cloudy
1:44 PM
2/2/2022