

practical no 5 :-

Date of performance :- 22 sept 2021

Date of Submission :- 23 sept 2021

Aim :- Write a program in Java to create a JProgressBar.

Description of JProgressBar :-

JProgressBar is a part of Java Swing package. JProgressBar visually displays the progress of some specified task. JProgressBar shows the percentage of completion of specified task. The progress bar fills up as the task reaches its completion.

import javax.swing.\*;

public class ProgressBarExample extends JFrame {

ProgressBar jb;  
int i = 0, num = 0;

ProgressBarExample () {

jb = new ProgressBar (0, 2000);

jb.setBounds (40, 40, 160, 30);

jb.setValue (0);

jb.setStringPainted (true);

add (jb);

setSize (250, 150);

setLayout (null);

}

public void iterate () {

while (i <= 2000) {

jb.setValue (i); i = i + 20;

try { Thread.sleep (50); } catch (Exception e) { }

}

}

public static void main (String args []) {

ProgressBar m = new ProgressBar ();

m.setVisible (true);

m.iterate ();

}

}

## Compilation & Execution :-

In Java, programs are not compiled into executable files, they are compiled into bytecode, which the JVM then executes at runtime.

For all the java practicals execution I used eclipse as a editor.

In that, I made a Folder name as JavaPracticals inside that I created the package name as practical-1, practical-2 and so on.

Then inside every packages I wrote the code in the ~~class~~ class file and executed it by using run btn in the editor itself.





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