STEP-1: Install the latest Java version

Find the latest Java JDK in the given folder. Now you should be able to install the last Java JDK by opening this file.

Step-2: Install the latest Eclipse version

Find the latest Eclipse (64 bit) version in the given folder. Now you should be able to install the last Eclipse software by opening this file.

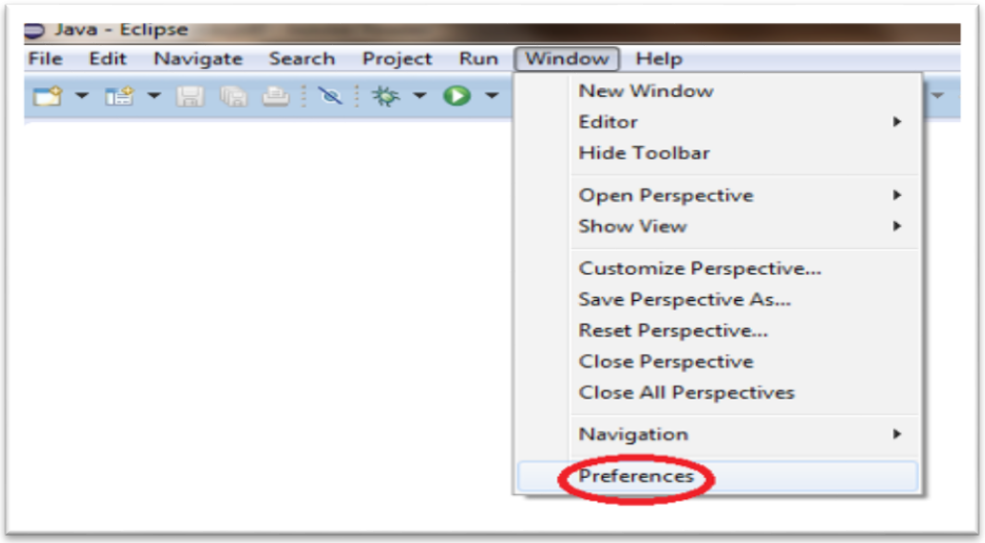
Step-3: Install OpenCV 3.x under Windows

Find opencv 3.3.3 file in the given folder. Open it by clicking on the same and unzip it into any disk on your PC.

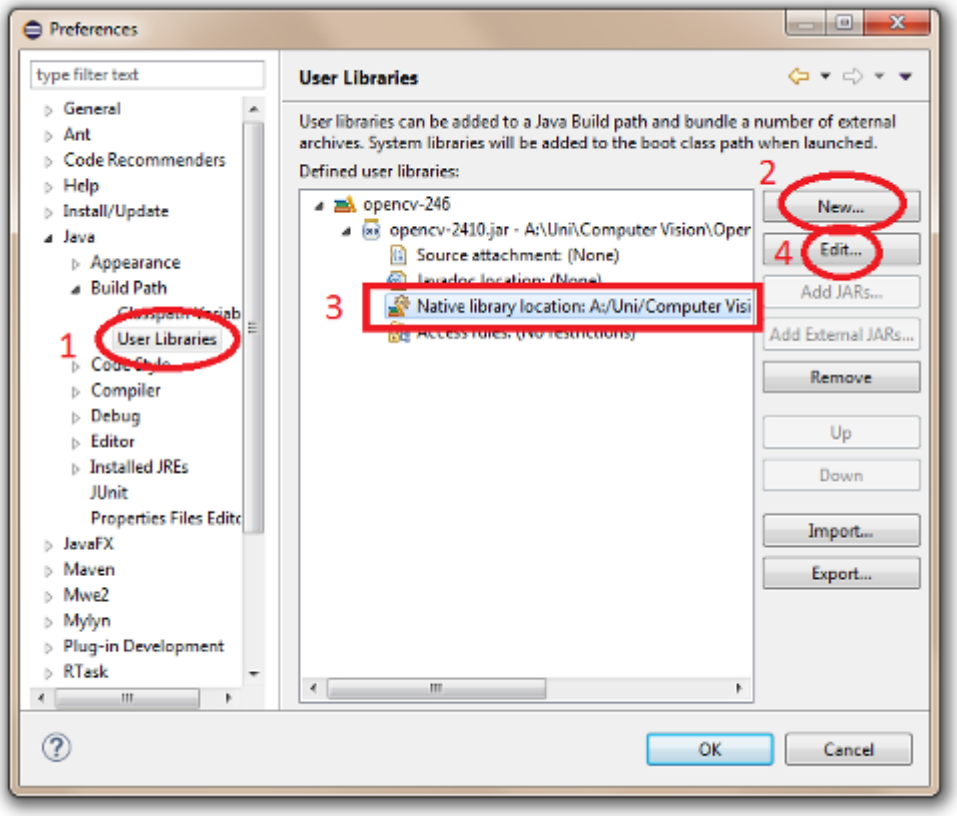
Now the only two things that you will need are: the `opencv-3xx.jar` file located at `\opencv\build\java` and the `opencv_java3xx.dll` library located at `\opencv\build\java\x64` (for 64-bit systems) or `\opencv\build\java\x86` (for 32-bit systems). The *3xx* suffix of each file is a shortcut for the current OpenCV version, e.g., it will be *300* for OpenCV 3.0 and *330* for OpenCV 3.3.

Step-4: Set up OpenCV for Java in Eclipse

Open Eclipse and select a workspace of your choice. Create a User Library, ready to be used on all your next projects: go to `Window > Preferences...`.

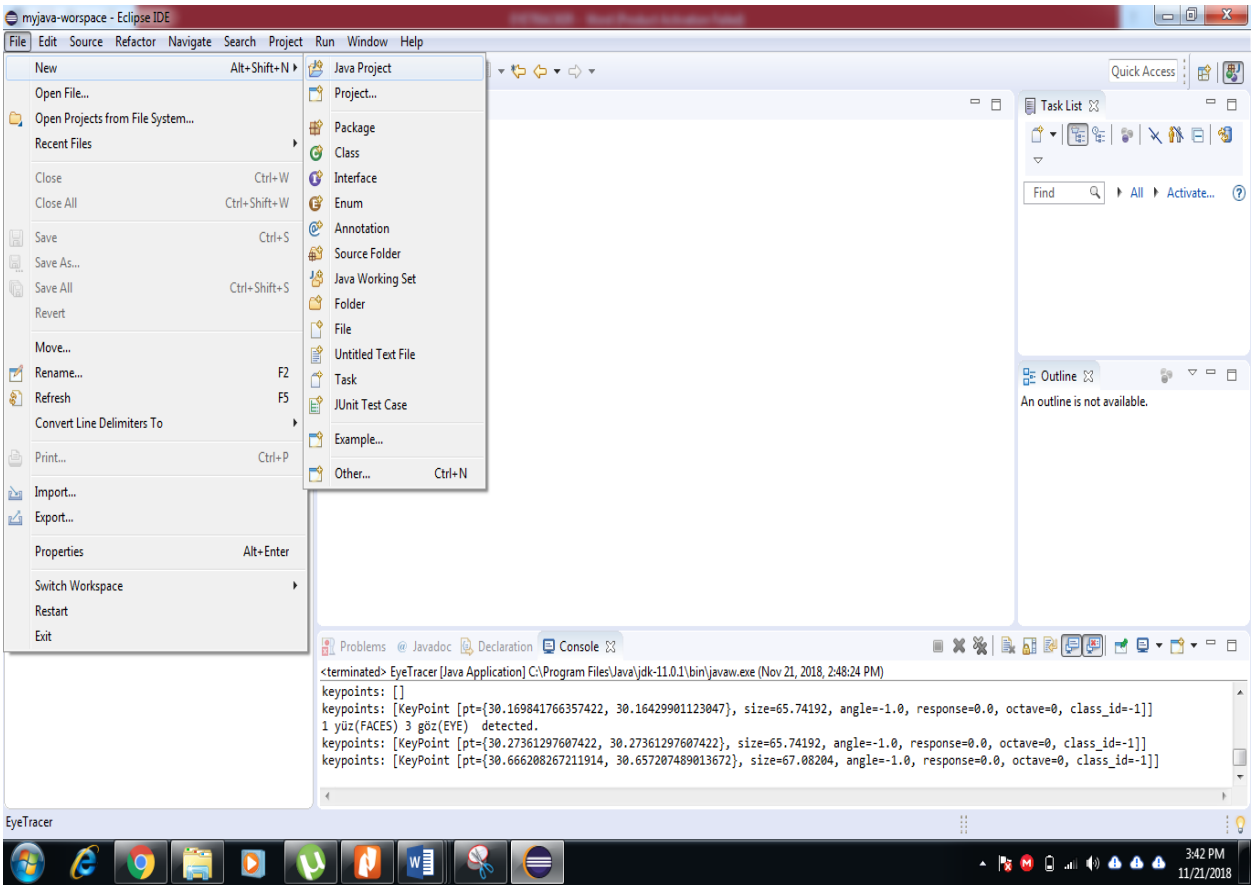


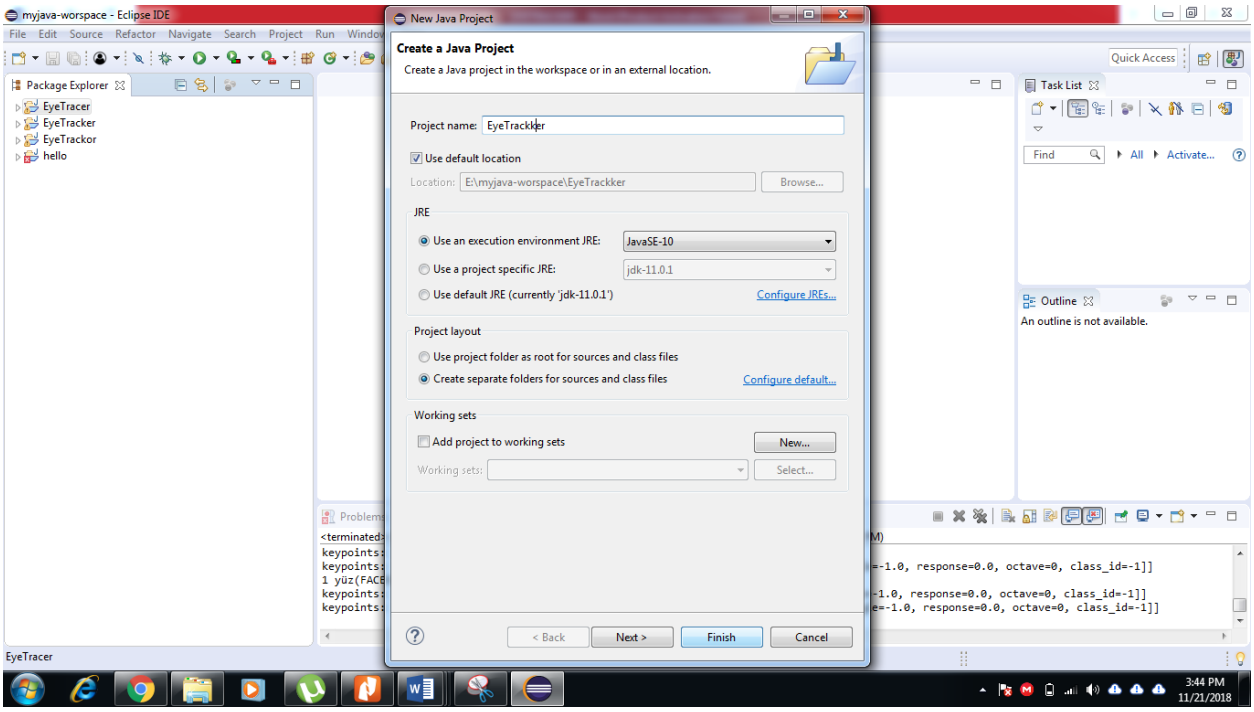
From the menu navigate under `Java > Build Path > User Libraries` and choose `New...`. Enter a name for the library (e.g., opencv) and select the newly created user library. Choose `Add External JARs...`, browse to select `opencv-3xx.jar` from your computer. After adding the jar, extend it, select `Native library location` and press `Edit...`.

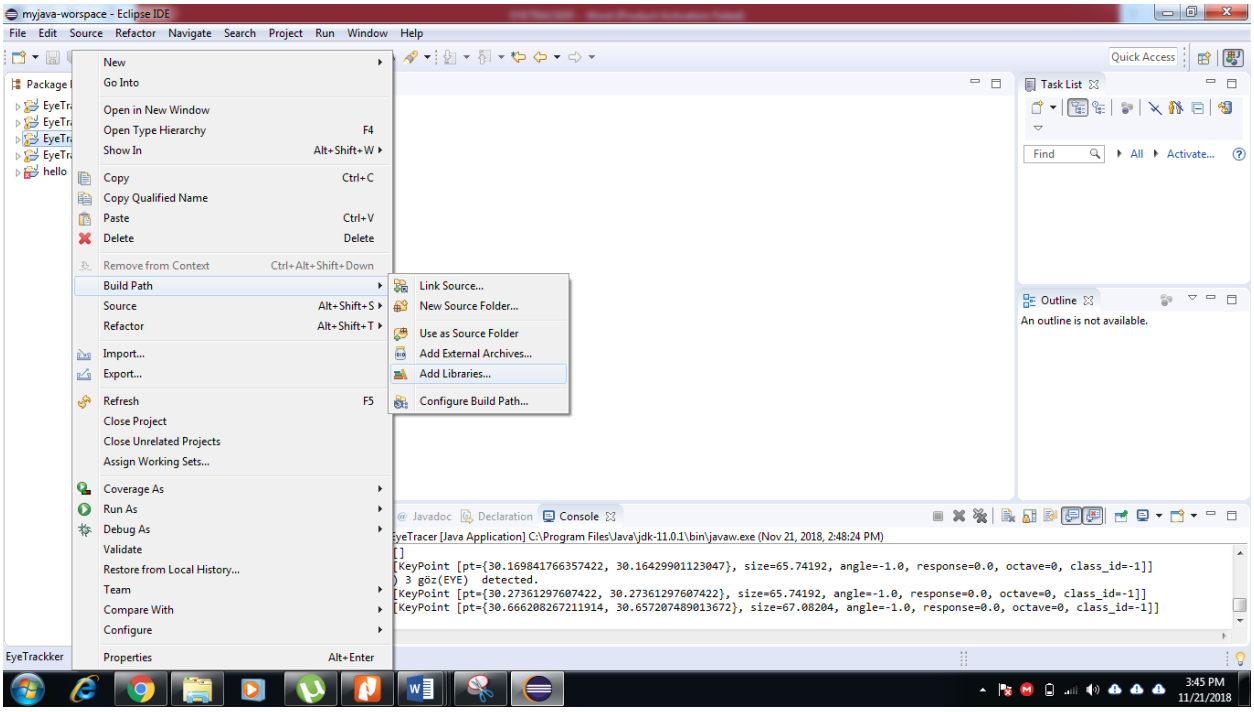


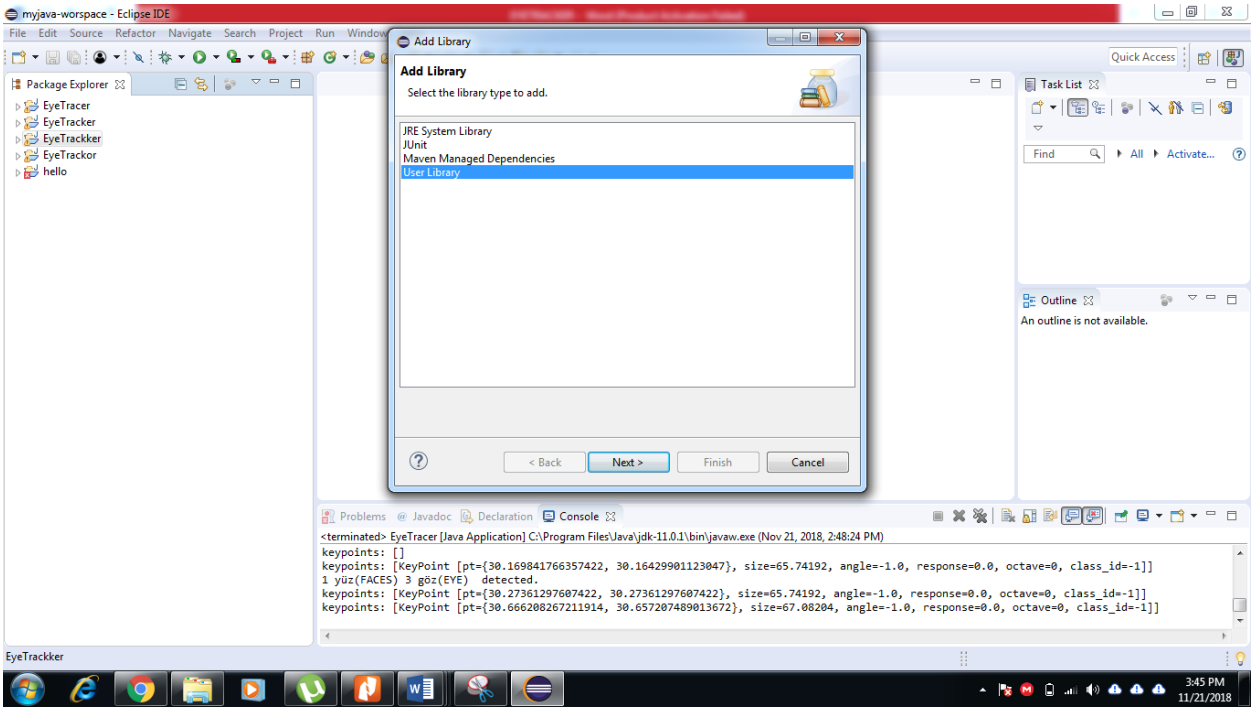
Select `External Folder...` and browse to select the folder containing the OpenCV libraries (e.g., `C:\opencv\build\java\x64` under Windows).

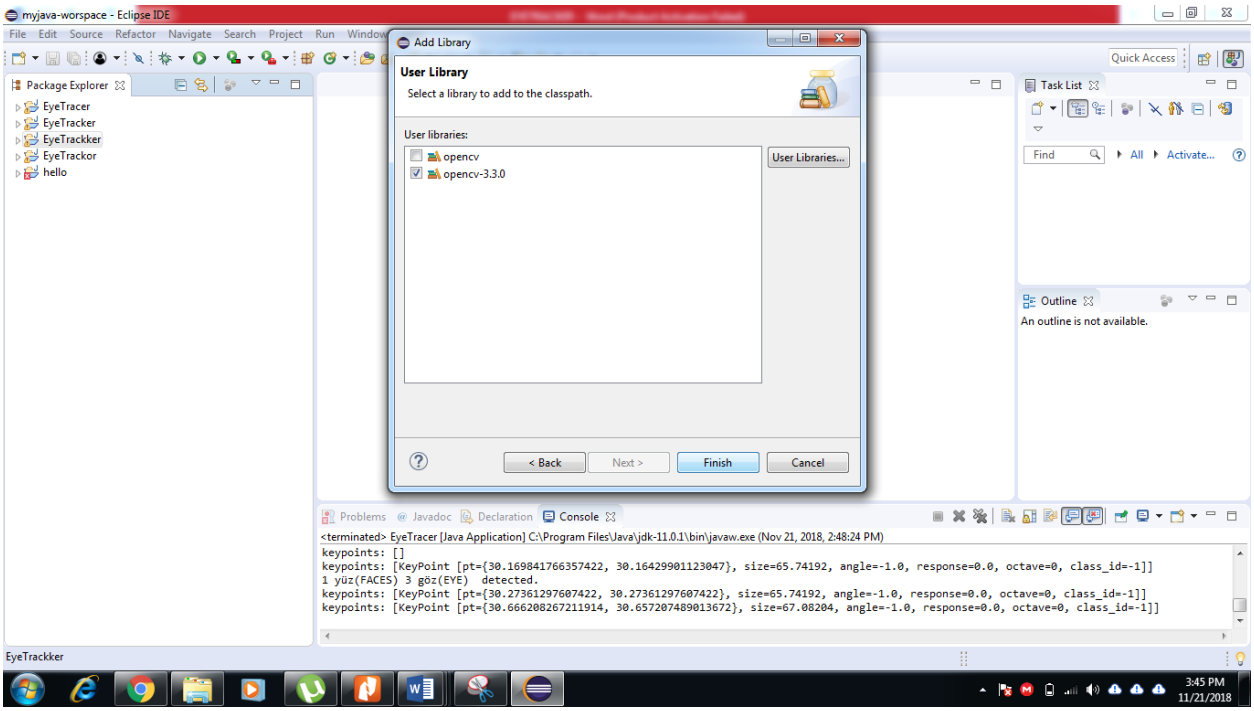
Step-5: Create new Java Project and add OpenCV libraries


myjava-worspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
New Alt+Shift+N
Open File...
Open Projects from File System...
Recent Files
Close Ctrl+W
Close All Ctrl+Shift+W
Save Ctrl+S
Save As...
Save All Ctrl+Shift+S
Revert
Move...
Rename... F2
Refresh F5
Convert Line Delimiters To
Print... Ctrl+P
Import...
Export...
Properties Alt+Enter
Switch Workspace
Restart
Exit
Java Project
Project...
Package
Class
Interface
Enum
Annotation
Source Folder
Java Working Set
Folder
File
Untitled Text File
Task
JUnit Test Case
Example...
Other... Ctrl+N
Quick Access
Task List
Find All Activate...
Outline
An outline is not available.
Problems Javadoc Declaration Console
<terminated> EyeTracer [Java Application] C:\Program Files\Java\jdk-11.0.1\bin\javaw.exe (Nov 21, 2018, 2:48:24 PM)
keypoints: []
keypoints: [KeyPoint [pt={30.169841766357422, 30.16429901123047}, size=65.74192, angle=-1.0, response=0.0, octave=0, class_id=-1]]
1 yüz(FACES) 3 göz(EYE) detected.
keypoints: [KeyPoint [pt={30.27361297607422, 30.27361297607422}, size=65.74192, angle=-1.0, response=0.0, octave=0, class_id=-1]]
keypoints: [KeyPoint [pt={30.666208267211914, 30.657207489013672}, size=67.08204, angle=-1.0, response=0.0, octave=0, class_id=-1]]
EyeTracer
3:42 PM
11/21/2018


myjava-worspace - Eclipse IDE
New Java Project
Create a Java Project
Create a Java project in the workspace or in an external location.
Project name: EyeTrackker
Use default location
Location: E:\myjava-worspace\EyeTrackker
Browse...
JRE
Use an execution environment JRE: JavaSE-10
Use a project specific JRE: jdk-11.0.1
Use default JRE (currently 'jdk-11.0.1')
Configure JREs...
Project layout
Use project folder as root for sources and class files
Create separate folders for sources and class files
Configure default...
Working sets
Add project to working sets
New...
Working sets:
Select...
< Back
Next >
Finish
Cancel
Package Explorer
EyeTracer
EyeTracker
EyeTrackor
hello
Quick Access
Task List
Find All Activate...
Outline
An outline is not available.
EyeTracer
3:44 PM
11/21/2018


myjava-worspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
New
Go Into
Open in New Window
Open Type Hierarchy F4
Show In Alt+Shift+W
Copy Ctrl+C
Copy Qualified Name
Paste Ctrl+V
Delete Delete
Remove from Context Ctrl+Alt+Shift+Down
Build Path
Source Alt+Shift+S
Refactor Alt+Shift+T
Import...
Export...
Refresh F5
Close Project
Close Unrelated Projects
Assign Working Sets...
Coverage As
Run As
Debug As
Validate
Restore from Local History...
Team
Compare With
Configure
Properties Alt+Enter
Link Source...
New Source Folder...
Use as Source Folder
Add External Archives...
Add Libraries...
Configure Build Path...
Quick Access
Task List
Find All Activate...
Outline
An outline is not available.
Javadoc Declaration Console
eTracer [Java Application] C:\Program Files\Java\jdk-11.0.1\bin\javaw.exe (Nov 21, 2018, 2:48:24 PM)
[]
[KeyPoint [pt={30.169841766357422, 30.16429901123047}, size=65.74192, angle=-1.0, response=0.0, octave=0, class_id=-1]]
) 3 göz(EYE) detected.
[KeyPoint [pt={30.27361297607422, 30.27361297607422}, size=65.74192, angle=-1.0, response=0.0, octave=0, class_id=-1]]
[KeyPoint [pt={30.666208267211914, 30.657207489013672}, size=67.08204, angle=-1.0, response=0.0, octave=0, class_id=-1]]
EyeTrackker
3:45 PM
11/21/2018


myjava-worspace - Eclipse IDE
Add Library
Add Library
Select the library type to add.
JRE System Library
JUnit
Maven Managed Dependencies
User Library
< Back Next > Finish Cancel
Package Explorer
EyeTracer
EyeTracker
EyeTrackker
EyeTrackor
hello
Quick Access
Task List
Find All Activate...
Outline
An outline is not available.
Problems Javadoc Declaration Console
<terminated> EyeTracer [Java Application] C:\Program Files\Java\jdk-11.0.1\bin\javaw.exe (Nov 21, 2018, 2:48:24 PM)
keypoints: []
keypoints: [KeyPoint [pt={30.169841766357422, 30.16429901123047}, size=65.74192, angle=-1.0, response=0.0, octave=0, class_id=-1]]
1 yüz(FACES) 3 göz(EYE) detected.
keypoints: [KeyPoint [pt={30.27361297607422, 30.27361297607422}, size=65.74192, angle=-1.0, response=0.0, octave=0, class_id=-1]]
keypoints: [KeyPoint [pt={30.666208267211914, 30.657207489013672}, size=67.08204, angle=-1.0, response=0.0, octave=0, class_id=-1]]
EyeTrackker
3:45 PM
11/21/2018



Now click on finish and opencv libraries are added to project.

Step-5: Add EyeTracer.java file to src default package by drag and drop from folder.

Do check location of xml and txt files in given java folder and modify according to your set up and run the program. Now you are ready to track face, eye and pupil.

Thanks.