

2nd Coding Class

COMP 388-002/488-002 Biometrics

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Fall 2026



LOYOLA
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Today we will...

Inspect an implementation of fingerprint recognition.

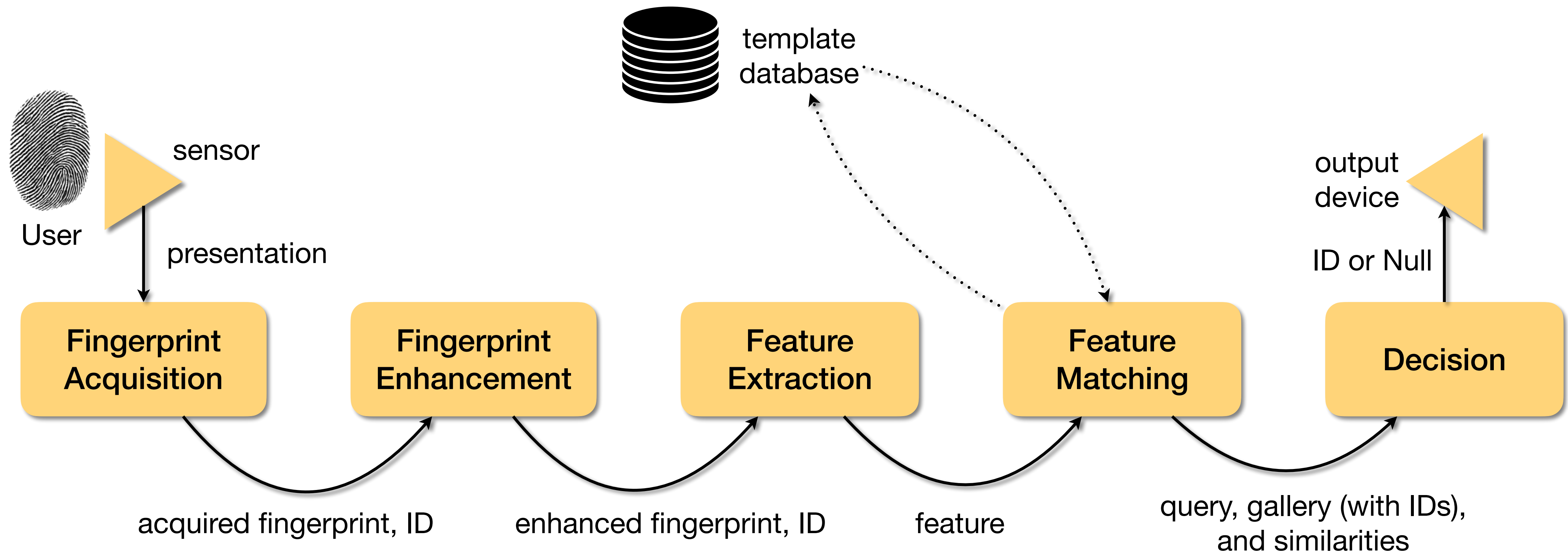
Today's Attendance

Please fill out the form

forms.gle/AGgh6dX1YfDbMYbY8



Fingerprint Recognition



Decision

Similarity-based Decision

The number of minutiae matches express the **similarity** between two fingerprint samples.

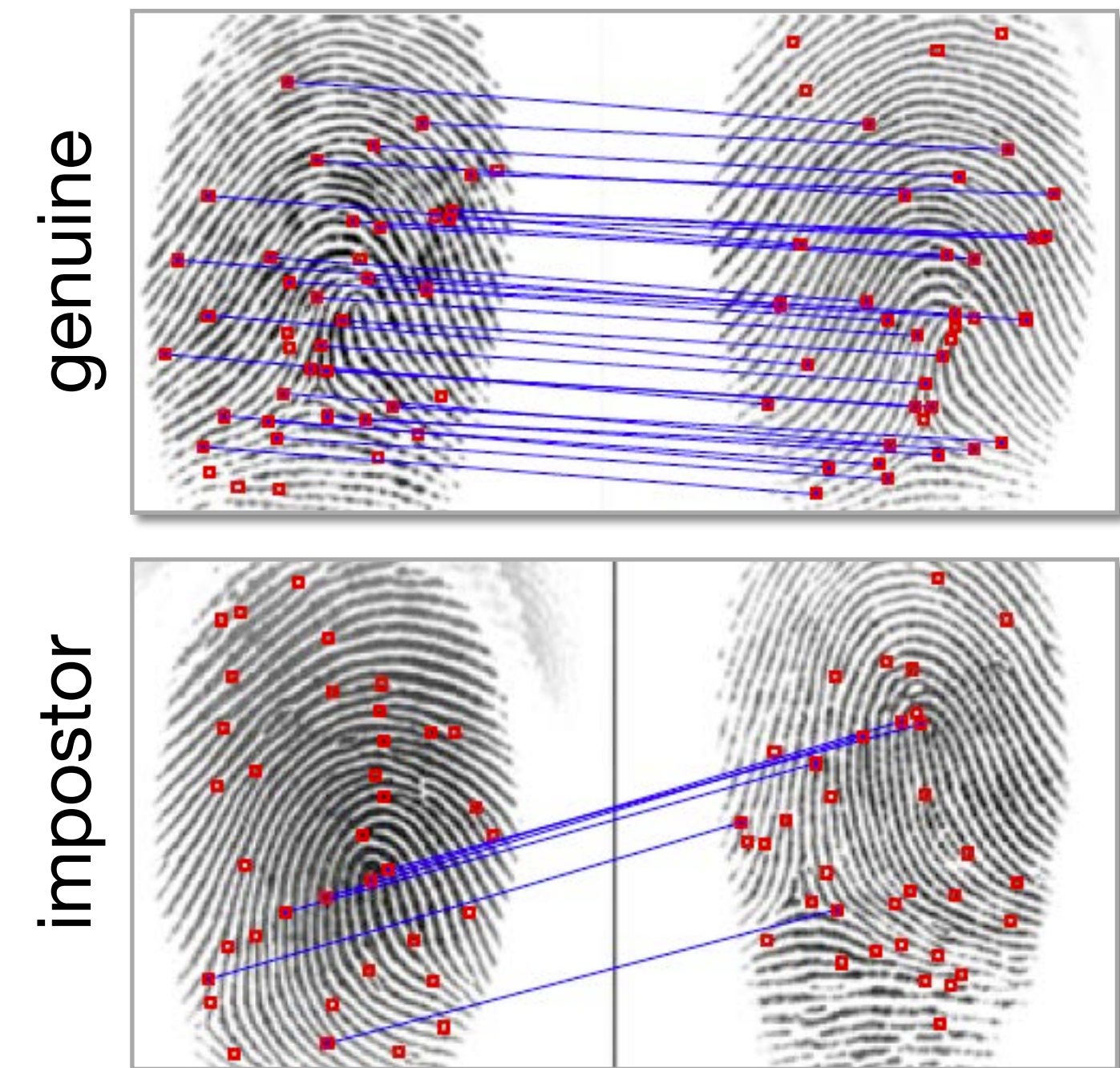
Simple score

Let M be the number of minutiae in image i .

Let N be the number of minutiae in image j .

$$sim_score = \frac{\#matches}{(M + N)/2}$$

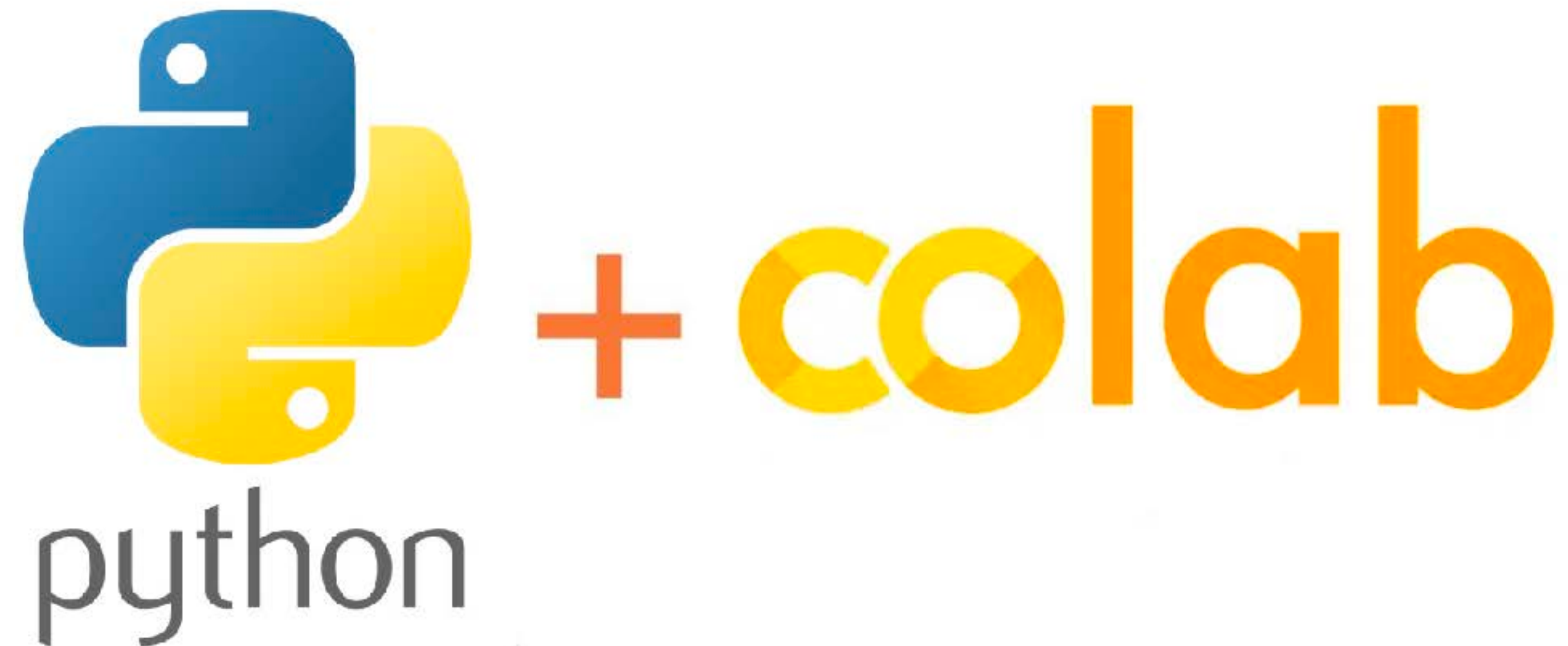
Jain, Ross, and Nadakumar
Introduction to Biometrics
Springer Books, 2011



Implementation

Please open

tinyurl.com/3xet5mwx



What's Next?

Midterm prep

How will the exam be?

Project ideas

Proposal discussion

Fill out your Today-I-missed Statement

Please visit sakai.luc.edu/x/Dv5DsU.

