

**Goal:**

Create a method to detect hand gestures in a video.

**Idea:**

- Capture live video.
- Hand detection and tracking:
  - Same as Part A
- Gesture detection
  - Chose three hand gestures you would like to recognize (e.g. wave hand).
  - You can also try detecting sign language letters or numbers.
- Draw text string of gesture to frame.
- Visualize the result. The resulting videos need to be generated and saved.

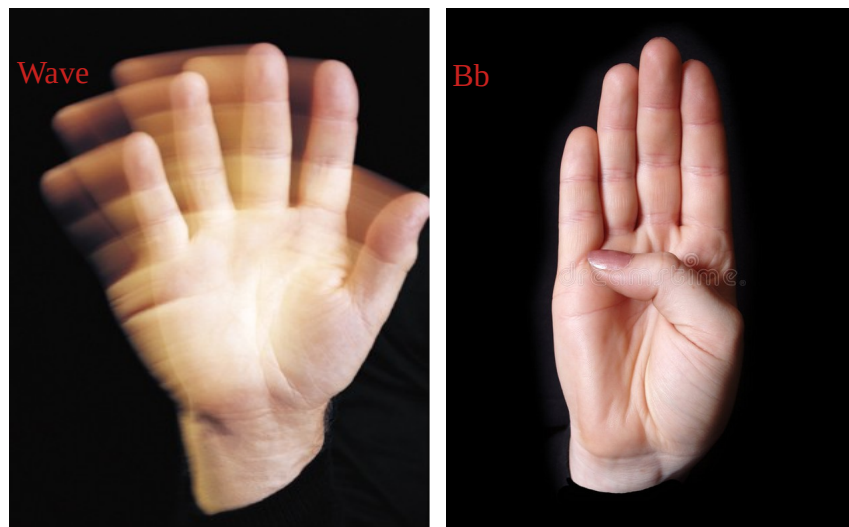


Figure 1. Examples

**Presentation:**

- Present your project during the lab (5 to 10 minutes)
- Please follow this [link](#) and chose a time slot:
- Explain the goal and method
- Show results
- Bonus
  - Live demonstration

**Submission:**

1. Lab report.
  - i. Describe every step of your method.
  - ii. Give detailed explanations for important steps.
2. Python code. If you use external source code, it needs to be properly referenced.
3. Resulting videos.

**Submission due date is December 2nd, at 11:59pm**