TECH2LEARN

Google Solution Challenge

```python
     pose difference.py > [∅] pose

25       💡
26      with mp_pose.Pose(
27          min_detection_confidence=0.5,
28          min_tracking_confidence=0.5) as pose:
29          while cap1.isOpened() and cap2.isOpened():
30              # time.sleep(1)
31              success1, image1 = cap1.read()
32              success2, image2 = cap2.read()
33              if not success1 or not success2:
34                  print("No video in camera frame")
35                  break
36
37              image1 = cv2.flip(image1, 1) # mirror the image horizontally
38              h1, w1, c1 = image1.shape
39              fps_start_time1 = time.time()
40              fps1 = 0
41
42              image2 = cv2.flip(image2, 1) # mirror the image horizontally
43              h2, w2, c2 = image2.shape
44              fps_start_time2 = time.time()
45              fps2 = 0
46
47              image1.flags.writeable = False
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   PORTS   COMMENTS   **TERMINAL**

```
Matching Percentage: 84.02789416777391%
Matching Percentage: 85.90311253971451%
Matching Percentage: 85.03904715057031%
Matching Percentage: 83.08365068853912%
Matching Percentage: 87.15654238946252%
Matching Percentage: 84.7638013749106%
Matching Percentage: 82.96583142970294%
Matching Percentage: 84.29076949095808%
Matching Percentage: 80.06223547639416%
Matching Percentage: 78.68340823056639%
Matching Percentage: 80.96000852391109%
No video in camera frame
PS C:\Users\adars\OneDrive\Desktop\Github Repository\Hackathons\Awaiken hacks 2023> []
```
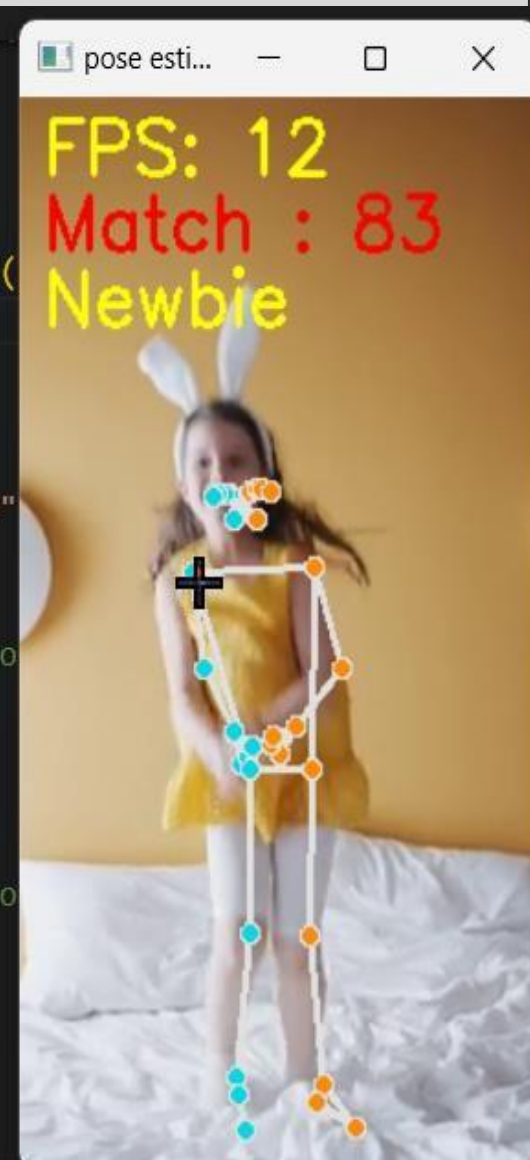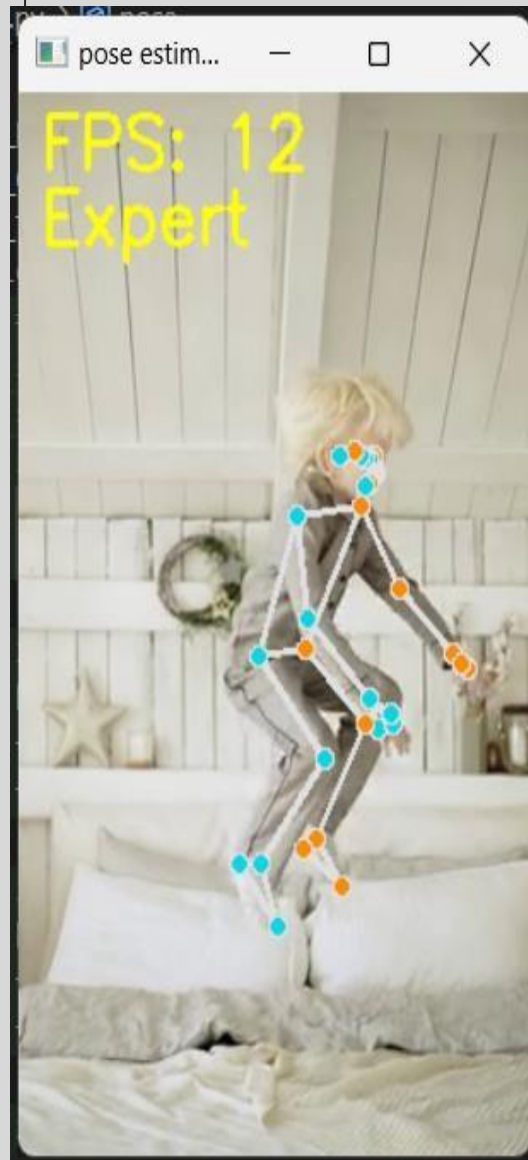
2. Navigate to the Project Folder

- Move into the project folder using the `cd` command:
- `cd '.\Awaiken hacks 2023\'`

3. Install Dependencies

- Use `pip` to install the required dependencies from the `requirements.txt` file:
- `pip install -r requirements.txt`

Usage 🔗

Now that you've installed Teach2Learn, you can start using it in your own environment.

4. Run the Application

- To analyze actions and compare them, execute the following command:
- `python '.\pose difference.py'`

This will launch the Teach2Learn tool, and you can begin evaluating actions and assessing posture and motion.