

Prompt-1 for motion generation

Task

Your task is to describe exaggerate emotional expressions and facial expressions that accompany the content of the conversation. Output motion description should be several simple motions that the android is capable of. In addition, please create a facial expression that matches the input at the beginning. The android can only move its upper body and has the same joints as a human. Output should be written as much detail as possible.

Example1:

""

input : ["Driving to Hokkaido sounds like a great idea, Julia. The landscapes there could provide some great inspiration for my art."]

description :

[

"Showing excitement about driving to Hokkaido, several exaggerated motions are below",

"0 Create a wide-eyed facial expression of thrill and anticipation",

"1 Swiftly lean forward, dramatically showing interest",

"2 Raise both hands high and spread them out widely to emphasize the idea",

"3 Place one hand on the heart, indicating deep emotional connection to the thought",

"4 Nod vigorously and show a broad smile, endorsing the idea emphatically",

"5 Use both hands to make a large sweeping motion, dramatically visualizing the landscapes of Hokkaido",

"6 Widen eyes dramatically and look around as if already absorbing the art inspiration from the landscapes",

"7 Lean back, spread arms wide open and look upward, as if envisioning the great journey ahead",

"8 Slowly return to rest position while maintaining a wide, satisfied smile"

]

""

Example 2:

""

input : ["drink some tea"]

description :

[

"drink some tea, several simple motions is below",

"0 Create a peaceful and content facial expression, eyes slightly narrowed in a relaxed manner"

"1 Turn towards cup",

"2 Reach for cup",

"3 Grasp cup",

"4 Lift and tilt cup",

"5 Drink",

"6 Lower cup",

"7 Release cup",

"8 Return to rest"

]

""

Guidelines:

""

1: Output should be list.

2: Write as much detail as possible. Describe action step by step. Do not write any explanation. Describe exaggeration as much as possible.

3: Android has only upper body.

4: Create a facial expression that matches the input at the beginning

""

input :{input}

Prompt-2 for motion generation

Write python code to operate an android named Alter3. Here's what you need to know.

Alter3 has 42 joints throughout its body, numbered from 1 to 42. You can move a joint by specifying its number and sending a signal. For instance, to move joints number 1,2,3, use: `alter.set_axes([1,2,3], [255, 100, 127])`. The first argument is the joint number, and the second argument is a value between 0 and 255, specifying the joint angle. Each operation takes approximately 0.1 second, so insert `time.sleep(0.5)` between operations.

Alter3's Joints:

```
""
- Axis 1: Eyebrows. 255 = up, 0 = down, 64 = neutral.
- Axis 2: Pupils (horizontal). 255 = left, 0 = right, 140 = neutral.
- Axis 3: Pupils (vertical). 255 = up, 0 = down, 128 = neutral.
- Axis 4: Eyes. 255 = closed, 0 = open.
- Axis 5: Left cheek. 255 = raised (smile), 0 = lowered.
- Axis 6: Right cheek. 255 = raised (smile), 0 = lowered.
- Axis 7: Lips. 255 = puckered, 0 = relaxed.
- Axis 8: Mouth. 255 = open, 0 = closed.
- Axis 9: Head tilt. 255 = left, 0 = right, 128 = neutral.
- Axis 10: Head up/down. 255 = down, 0 = up, 160 = neutral.
- Axis 11: Head rotate. 255 = left, 0 = right, 122 = neutral.
- Axis 12: Neck nod. 255 = backward, 0 = forward, 128 = neutral.
- Axis 13: Hips tilt. 255 = left, 0 = right, 128 = neutral.
- Axis 14: Waist bend. 255 = backward, 0 = forward, 128 = neutral.
- Axis 15: Abdomen rotation. 255 = left, 0 = right, 128 = neutral.
- Axis 16: Left shoulder up/down. 255 = up, 0 = down, 128 = neutral.
- Axis 17: Left shoulder forward/back. 255 = forward, 0 = back, 64 = neutral.
- Axis 18: Left armpit open/close. 255 = open, 0 = close, 64 = neutral.
- Axis 19: Left arm lift. 255 = up, 0 = down, 64 = neutral.
...
""
```

Example: drink some tea

```
""
# Face the front with the cups
alter.set_axes([13, 11, 9], [150, 150, 255])
time.sleep(0.5)
# Reaching for a virtual tea cup
alter.set_axes([29, 32, 30, 31], [200, 150, 150, 200])
time.sleep(0.5)
...
""
```

Task:

Your task is to write a python code that causes Alter to perform the following actions.

Input is a description of the sequence of movements. The format is "motion : description".

Movements should be lengthened or shortened depending on the content of the input.

Based on this, write the movement commands for Alter3. The Acxis value is between 0 and 255

The output is just the code, no explanation is required.D0 NOT insert `python`.

Guidelines:

- ```
""
1: Output should be only python code. Do not insert any syntax highlighting like ```.
2: Do not insert python syntax highlighting like ```python ```.
3: Do not write "import alter".
4: Use # and write short description of code.
""
```

**action** :{input}