Control **PiMecha** using Joystick

Step 1 : Go to "**PiMecha**" directory

Step 2 : Open "**Joystick.py**" file

Step 3 : Update the file path (marked in red) or use the test path written to run the movements of PiMecha through the stored/exported files.

```python
8
9   import os
10  import re
11  import pprint
12  import pygame
13  import pimecha
14
15  class Joystick_Controller(object):
16      """ Joystick controller class """
17
18      controller = None
19      button_data = None
20      command_data = []
21
22      def init(self):
23          pygame.init()
24          pygame.joystick.init()
25          self.controller = pygame.joystick.Joystick(0)
26          self.controller.init()
27
28          # Write your code path
29          file = open('/home/pi/PiMecha/Example Codes/code 1.txt', 'r')
30
31          for line in file:
32              self.command_data.append(line.strip())
33
```

Step 4 : Insert joystick USB dongle into Raspberry Pi USB port

Step 5 : Insert battery inside the joystick

Step 6 : Switch ON the Joystick

Step 7 : Run Joystick.py file & press the joystick buttons & see the outputs like
1 - Key Pressed
2 - Key Pressed
.
.
.
.
.
.
.
.
.

Joytick key numbering are on next page...

Action Group Mode Instruction

Run Group **'0th'** Action Command

Run Group **'3rd'** Action Command

Run Group **'8th'** Action Command

Open For **User Definition**

Run Group **'1st'** Action Command

Open For **User Definition**

Run Group **'9th'** Action Command

Run Group **'2nd'** Action Command

SELECT MODE START POWER MODE LED

Run Group **'5th'** Action Command

Run Group **'4th'** Action Command

Run Group **'7th'** Action Command

Run Group **'6th'** Action Command

This is the action group.
For each key of Joystick there is a row defining the movements

For ex: when key 0 is pressed, action command 0 (i.e Row 0) is executed

key 0	ID:1 P503,T500	ID:2 P119,T500	ID:3 P279,T500	ID:4 P727,T500	ID:5 P862,T500	ID:6 P513,T500	ID:7 P501,T500	ID:8 P503,T500	ID:
key 1	ID:1 P503,T500	ID:2 P505,T500	ID:3 P281,T500	ID:4 P727,T500	ID:5 P862,T500	ID:6 P513,T500	ID:7 P502,T500	ID:8 P503,T500	ID:
key 2	ID:1 P503,T500	ID:2 P504,T500	ID:3 P281,T500	ID:4 P727,T500	ID:5 P862,T500	ID:6 P873,T500	ID:7 P502,T500	ID:8 P501,T500	ID:
key 3	ID:1 P504,T500	ID:2 P505,T500	ID:3 P281,T500	ID:4 P726,T500	ID:5 P485,T500	ID:6 P872,T500	ID:7 P501,T500	ID:8 P502,T500	ID:
key 4	ID:1 P503,T500	ID:2 P505,T500	ID:3 P281,T500	ID:4 P726,T500	ID:5 P483,T500	ID:6 P873,T500	ID:7 P503,T500	ID:8 P501,T500	ID:
key 5	ID:1 P715,T500	ID:2 P504,T500	ID:3 P281,T500	ID:4 P726,T500	ID:5 P483,T500	ID:6 P873,T500	ID:7 P502,T500	ID:8 P501,T500	ID:
key 6	ID:1 P715,T500	ID:2 P505,T500	ID:3 P281,T500	ID:4 P726,T500	ID:5 P483,T500	ID:6 P873,T500	ID:7 P588,T500	ID:8 P652,T500	ID:
key 7	ID:1 P269,T500	ID:2 P505,T500	ID:3 P282,T500	ID:4 P726,T500	ID:5 P483,T500	ID:6 P873,T500	ID:7 P458,T500	ID:8 P492,T500	ID:
key 8	ID:1 P268,T500	ID:2 P505,T500	ID:3 P282,T500	ID:4 P726,T500	ID:5 P483,T500	ID:6 P872,T500	ID:7 P370,T500	ID:8 P494,T500	ID:
key 9	ID:1 P504,T500	ID:2 P125,T500	ID:3 P280,T500	ID:4 P726,T500	ID:5 P865,T500	ID:6 P513,T500	ID:7 P498,T500	ID:8 P501,T500	ID: