## IT314 - SOFTWARE ENGINEERING LAB-5: Static Analysis

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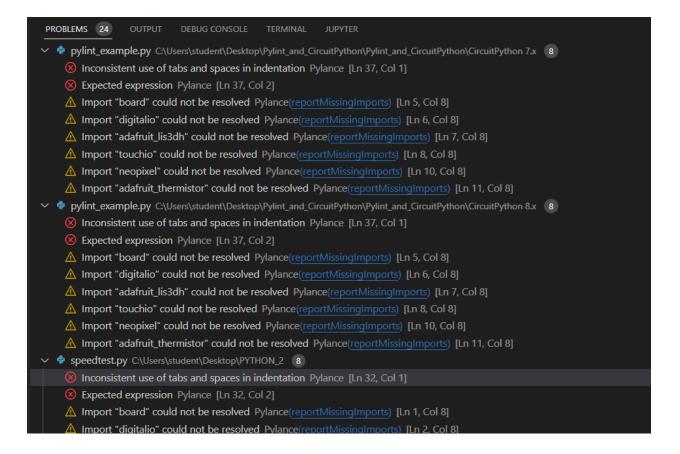
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Selected tool: Pylint- It is a static code analysis tool for python programming language. It checks for error in python code. It analyze our code without actually running it.

Image of Code with error:

```
touch_A1 = touchio.TouchIn(board.A1)
 touch_A2 = touchio.TouchIn(board.A2)
led = digitalio.DigitalInOut(board.D13)
led.direction = digitalio.Direction.OUTPUT
button_A = digitalio.DigitalInOut(board.BUTTON_A)
button_A.direction = digitalio.Direction.INPUT
button_A.pull = digitalio.Pull.DOWN
     x, y, z = lis3dh.acceleration
     if button_A.value:
         led.value = True
         led.value = False
     print("Temperature:", circuit_playground_temperature.temperature)
     print("Acceleration:", x, y, z)
     if touch_A1.value:
         pixels.fill((255, 0, 0))
     if touch_A2.value:
        pixels.fill((0, 0, 255))
        pixels.fill((0, 0, 0))
     time.sleep(0.01)
```

Image of error detected by tool:



PS C:\Users\student> python -u "c:\Users\student\Desktop\Pylint\_and\_CircuitPython\Pylint\_and\_CircuitPython\CircuitPython\CircuitPython 7.x\pylint\_example.py File "c:\Users\student\Desktop\Pylint\_and\_CircuitPython\Pylint\_and\_CircuitPython\CircuitPython 7.x\pylint\_example.py", line 37 else:

TabError: inconsistent use of tabs and spaces in indentation